



tokumen

Product Catalog

INSTITUTE OF IMMUNOLOGY Co., LTD.

July 2025

OUR BUSINESS

Antibodies & Diagnostics



Manufacture and sale of diagnostic reagents, monoclonal antibodies and reagents for research purpose

Animals & Cells



We produce model animals and genetically engineered cell with our technology nurtured in order to philanthropy through development of life science.

Research & Development



We produce a world first mouse for in-vivo evaluation of antibody drugs. Our aim is to create best-in-class antibody drugs through research and development.

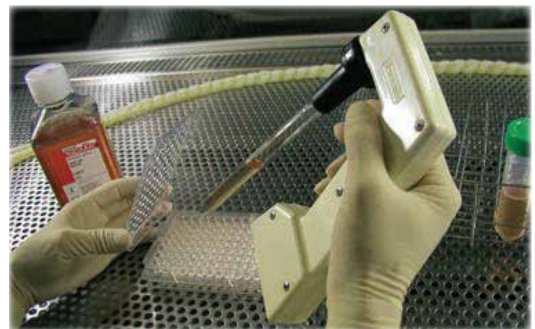
COMPANY POLICY

Making utmost effort to fulfill unmet needs

Having high motivation as a leading company in the diagnostic reagent field, we will continue to commit ourselves to enhance our existing products, as well as to further diversify our product line to satisfy the diverse needs of the patients and the market with our quality products at reasonable prices throughout the world.



EIA Manufacturing



Culture of Antibody Clone



Antibody Purification



Animal Room

We, Institute of Immunology Co., Ltd., commit ourselves to the following company policy:

Company Policy:

- Making utmost effort to develop and manufacture quality products based on the outcome of the pioneering research conducted by both domestic and overseas medical researchers.
- Establishing and carrying out our quality management system, ongoingly assessing its validity and making improvements as needed.
- Contributing to society by providing products that are trusted and satisfactory to the customers.

COMPANY HISTORY

- August 1979** Incorporated as a private limited company in Koganei-shi, Tokyo
- May 1983** Constructed Tochigi Plant
- July 1985** Acquired manufacturing approval of MYCELL® HBsAg, the first diagnostic reagent product of our company
- May 1986** Head office moved to Koraku, Bunkyo-ku, Tokyo (Current address)
- March 2002** Contributed to the establishment of EpiPhoenix Co., Ltd. (presently PhoenixBio Co., Ltd.), a University of Hiroshima-based venture specializing in chimeric mice
- October 2013** Absorbed BioMedics Japan Inc.
- April 2014** Acquired Utsunomiya Office from Phoenix Bio Co., Ltd. due to corporate division
- April 2015** Acquired patent licensing right of CRISPR/Cas9 system from Broad Institute.
Acquired patent licensing right to establish iPS cell and gene recombination from iPS Academia Japan
- August 2015** Acquired ISO13485
- July 2022** Completed construction of the second factory building at Tochigi Plant

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EastMabBio

PRODUCT LIST

- IVD DIAGNOSTIC PROTEINS -

Respiratory Diseases			
Name	Cat#	Type	Subtype
Influenza A (Flu A)			
Flu A-NP	A99901	Ag	N/A
FluA-mAb	C01907	mAb	IgG
FluA-mAb	C01908	mAb	IgG
FluA-mAb	C01931	mAb	N/A
FluA-mAb	C01932	mAb	N/A
Flu A Human IgM	C010201	mAb	IgM
Flu A Human IgG	C010202	mAb	IgG
Influenza B (Flu B)			
Flu B-NP	A99801	Ag	N/A
FluB-mAb	C01911	mAb	IgM
FluB-mAb	C01912	mAb	IgM
Flu B Human IgM	C010301	mAb	IgM
Respiratory Syncytial Virus (RSV)			
RSV F0	A00901	Ag	IgG
RSV-mAb	C02702	mAb	IgM
RSV-mAb	C02703	mAb	IgM
RSV-mAb	C02704	mAb	mIgM
RSV-mAb	C02706	mAb	N/A
RSV-NP	A00902	Ag	mIgM
RSV-mAb	C010412	mAb	mIgM
RSV-mAb	C010414	mAb	IgM
RSV Human IgM	C02705	mAb	hIgM
RSV Human IgG	C02712	mAb	IgG
Adenovirus (ADV)			
Adv HEXON (His Tag)	A02801	Ag	N/A
Adenovirus Type 1 Hexon	A010501	Ag	N/A
Adenovirus Type 55 Hexon	A010507	Ag	N/A
Adenovirus Type 3 Hexon	A010502	Ag	N/A
Adenovirus Type 7 Hexon	A010504	Ag	N/A
Adenovirus Type 4 Hexon	A010503	Ag	N/A
Adenovirus Type 40 Hexon	A010506	Ag	N/A
Adenovirus Type 41 Hexon	A010505	Ag	N/A
Adenovirus mAb	C05302	mAb	IgG
Adenovirus mAb	C05303	mAb	IgM
Adenovirus mAb	C05306	mAb	IgG
Adenovirus mAb	C05307	mAb	IgG
Adenovirus mAb	C05308	mAb	IgG
Adenovirus Human IgM	C05305	mAb	IgM
Adenovirus Human IgG	C05311	mAb	IgG

Respiratory Diseases			
Name	Cat#	Type	Subtype
Parainfluenza Virus (HPIV)			
HPIV1 NP (His Tag)	A06104	Ag	N/A
HPIV1&3 mAb	C06201	mAb	IgG
HPIV1 mAb	C06202	mAb	IgG
HPIV1 Human IgM	C010601	mAb	IgM
HPIV1 Human IgG	C010605	mAb	IgG
HPIV2 NP (His Tag)	A06105	Ag	N/A
HPIV2 mAb	C06204	mAb	IgG
HPIV2 mAb	C06205	mAb	IgG
HPIV2 Human IgM	C010602	mAb	IgM
HPIV2 Human IgM	C010604	mAb	IgM
HPIV2 Human IgG	C010606	mAb	IgG
HPIV3 NP (His Tag)	A06103-01	Ag	N/A
HPIV3 mAb	C06203	mAb	IgG
HPIV1&3 mAb	C06201	mAb	IgG
HPIV1&3 Human IgM	C010603	mAb	IgM
HPIV3 Human IgG	C010607	mAb	IgG
Metapneumovirus (HMPV)			
Human metapneumovirus NP (His Tag)	A011101	Ag	N/A
HMPV Matrix Protein	A011102	Ag	N/A
HMPV-mAb	C011131	mAb	IgM
HMPV-mAb	C011132	mAb	IgM
S. pneumoniae			
SP-mAb	C09201	mAb	IgG
SP-mAb	C09202	mAb	IgG
Group A streptococcus (Strep A)			
Strep A mAb	C09401	mAb	IgG
Strep A mAb	C09402	mAb	IgG
SARS COV 2			
SARS COV2 NP (His Tag)	VISC2-NP01	Ag	N/A
SARS COV2 S1 (His Tag)	VISC2-S101	Ag	N/A
SARS COV2 NP-mAb	C00180	mAb	IgM
SARS COV2 NP-mAb	C00183	mAb	IgM
Mycoplasma Pneumoniae (MP)			
MP mAb	C010714	mAb	mIgM
MP mAb	C010715	mAb	mIgM
MP Human IgM	C010731	mAb	IgM
MP Human IgG	C010732	mAb	IgG

EastMabBio

PRODUCT LIST

- IVD DIAGNOSTIC PROTEINS -

Digestive Tract Diseases			
Name	Cat#	Type	Subtype
Helicobacter Pylori (HP)			
Cag A	A99704	Ag	N/A
Recombinant H.pylori KatA Antigen	A99706	Ag	N/A
HP Antigen	A99707	Ag	N/A
HP-mAb	C03010	mAb	IgM
HP-mAb	C03011	mAb	IgM
Rotavirus (RV)			
RV VP6	A99401	Ag	N/A
Rotavirus-mAb	C02601	mAb	IgG
Rotavirus-mAb	C02602	mAb	IgG
Humanized RV-mAb	C020201	mAb	IgM
Norovirus			
NoV GI VP1 (His Tag)	A09001	Ag	N/A
Norovirus GI mAb	C020501	mAb	IgG
Norovirus GI mAb	C020504	mAb	IgM
NoV GII-4 VP1 (His Tag)	A09002	Ag	N/A
Norovirus GII mAb	C020521	mAb	IgM
Norovirus GII mAb	C020522	mAb	IgG
Fecal Occult Blood (FOB)			
FOB-mAb	C02801	mAb	IgG
FOB-mAb	C02802	mAb	IgG
Calprotectin			
Recombinant Human Calprotectin	A021301	Ag	N/A
Pepsinogen I (PGI)			
hPGI	A08001	Ag	N/A
hPGI-mAb	C08001	mAb	IgG
hPGI-mAb	C08002	mAb	IgG
Pepsinogen II (PGII)			
hPGII	A08101	Ag	N/A
hPGII-mAb	C08101	mAb	IgG
hPGII-mAb	C08102	mAb	IgG
Gastrin 17 (G17)			
G17 Antigen	A09101	Ag	N/A
G17-mAb	C09101	mAb	IgG
G17-mAb	C09102	mAb	IgG

Infectious Diseases			
Name	Cat#	Type	Subtype
Monkeypox Virus (MPXV)			
MPXV A29L Protein (His Tag)	A05107-10	Ag	N/A
MPXV A29L mAb	C05137	mAb	IgG
MPXV A29L mAb	C05138	mAb	IgG
MPXV A29L mAb	C05139	mAb	IgG
MPXV M1R Protein (His Tag)	A05105-10	Ag	N/A
MPXV M1R mAb	C05115	mAb	IgG
MPXV M1R mAb	C05116	mAb	IgG
MPXV M1R mAb	C05117	mAb	IgG
MPXV A35R Protein (His Tag)	A05111-10	Ag	N/A
MPXV A35R mAb	C05174	mAb	IgG
MPXV A35R mAb	C05175	mAb	IgG
MPXV B6R Protein (His Tag)	A05106-10	Ag	N/A
MPXV E8L Protein (His Tag)	A05108-10	Ag	N/A
MPXV A30L Protein (His Tag)	A05109-10	Ag	N/A
MPXV B21R Protein (His Tag)	A05110-10	Ag	N/A
MPXV H3L Protein (His Tag)	A05112-10	Ag	N/A
MPXV A14L Protein (His Tag)	A05113-10	Ag	N/A
Malaria			
Mala pf-mAb	C03401	mAb	IgM
Mala pf-mAb	C03402	mAb	IgG
Mala pf-mAb	C020101	mAb	mIgG
Mala pf-mAb	C020102	mAb	mIgM
Pv LDH	A99501	Ag	N/A
Mala pv-mAb	C03403	mAb	IgG
Mala pv-mAb	C03404	mAb	IgG
Mala pv-mAb	C020111	mAb	IgG
Mala pv-mAb	C020112	mAb	IgG
Mala pan-mAb	C03407	mAb	IgM
Mala pan-mAb	C03409	mAb	IgM
Dengue Virus (DENV)			
DENV1-NS1	A00201	Ag	N/A
DENV2-NS1	A00202	Ag	N/A
DENV3-NS1	A00203	Ag	N/A
DENV4-NS1	A00204	Ag	N/A
DENV1-4 NS1 mAb	C030721	mAb	RabbitIgG
DENV1-4 NS1 mAb	C030722	mAb	mIgG
DENV1-4 NS1 mAb	C030723	mAb	mIgM
DENV1-4 NS1 mAb	C030725	mAb	mIgG
DENV1-E	A00205	Ag	N/A
DENV2-E	A00206	Ag	N/A
DENV3-E	A00207	Ag	N/A
DENV4-E	A00208	Ag	N/A
Human Immunodeficiency Virus (HIV)			
HIV-O-L	A00705	Ag	N/A
HIV-GP41	A030121	Ag	N/A
HIV-GP36	A030122	Ag	N/A
HIV-GP36+GP41	A030123	Ag	N/A
HIV p24	A00711	Ag	N/A

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PRODUCT LIST

- IVD DIAGNOSTIC PROTEINS -

Infectious Diseases			
Name	Cat#	Type	Subtype
Candida Albicans			
Candida albicans mAb	C09301	mAb	IgG
Candida albicans mAb	C09302	mAb	IgG
Human Papilloma Virus (HPV)			
HPV18 L1 (MBP tag)	A06301	Ag	150 kDa
HPV16 L1 (MBP tag)	A06302	Ag	150 kDa
Yellow Fever			
Yellow Fever NS1 (His Tag)	A03001	Ag	N/A
Yellow fever virus Protein E	A03002	Ag	N/A
Zika Virus			
Zika NS1 (His Tag)	A02901	Ag	N/A
Zika-E	A02902	Ag	N/A
Measles Virus			
Measles NP (His Tag)	A01203	Ag	N/A
Mumps Virus			
Muv NP (His Tag)	A01101	Ag	N/A
Typhoid			
Typhoid mAb	C032201	mAb	IgM
Typhoid mAb	C032202	mAb	IgG

Diabetes			
Name	Cat#	Type	Subtype
Glycated Hemoglobin A1 (HbA1c)			
HbA1c mAb	C03803	mAb	IgG
HbA1c mAb	C080121	mAb	IgG

Bone Metabolism			
Name	Cat#	Type	Subtype
25-Hydroxy-Vitamin D (25-OH VD)			
25-OH-VD mAb	C150101	mAb	mIgG
25-OH-VD mAb	C150102	mAb	Ovis aries IgG
25-OH-VD mAb	C160351	mAb	mIgG
25-OH-VD mAb	C160352	mAb	Ovis aries IgG

Inflammation			
Name	Cat#	Type	Subtype
Procalcitonin (PCT)			
PCT (His Tag)	A01401	Ag	N/A
Serum Amyloid A (SAA)			
SAA-mAb	C03101	mAb	IgG
SAA-mAb	C03102	mAb	IgG
Interleukin 6 (IL-6)			
Recombinant Human IL-6	A040101	Ag	N/A
IL6-mAb	C00504	mAb	IgG
IL6-mAb	C00505	mAb	IgM
Heparin-Binding Protein (HBP)			
HBP (His Tag)	A01301	Ag	N/A
HBP-mAb	C06001	mAb	IgG
HBP-mAb	C06002	mAb	IgG

Cardiovascular Markers			
Name	Cat#	Type	Subtype
Myoglobin (MYO)			
MYO	A99604	Ag	N/A
MYO-mAb	C03601	mAb	IgG
MYO-mAb	C03604	mAb	IgG
Creatine Kinase Isoenzymes-MB (CK-MB)			
CK MB	A99603	Ag	N/A
CKMB-mAb	C05401	mAb	IgG
CKMB-mAb	C05402	mAb	IgG
D-Dimer			
DD-mAb	C05602	mAb	IgG
DD-mAb	C05603	mAb	IgG
NT-proBNP			
NT-proBNP (His Tag)	A05701-01	Ag	N/A
NT-proBNP-mAb	C05702	mAb	IgG
NT-proBNP-mAb	C05703	mAb	IgG
Soluble Growth Stimulation Expressed Gene2 (ST2)			
ST2 (His Tag)	A05801	Ag	N/A
ST2-mAb	C05801	mAb	IgG
ST2-mAb	C05802	mAb	IgG
S100-β			
S100β	A05901	Ag	N/A
S100β-mAb	C05901	mAb	IgG
S100β-mAb	C05902	mAb	IgG

EastMabBio

PRODUCT LIST

- IVD DIAGNOSTIC PROTEINS -

Tumor Markers			
Name	Cat#	Type	Subtype
Vascular Endothelial Growth Factor (VEGF)			
VEGF (His Tag)	A060801	Ag	N/A
VEGF-mAb	C00907	mAb	IgG
VEGF-mAb	C00908	mAb	IgG
VEGF-mAb	C00909	mAb	mIgG
Isocitrate Dehydrogenase 1 (IDH1)			
IDH1-mAb	C08301	mAb	IgG
IDH1-mAb	C08302	mAb	IgG
Serum Alpha-FetoProtein (AFP)			
AFP-mAb	C08401	mAb	IgG
AFP-mAb	C08402	mAb	IgG
Carbohydrate Antigen 19-9 (CA19-9)			
CA19-9 mAb	C08501	mAb	IgG
CA19-9 mAb	C08502	mAb	IgG
Cytokeratin Fragment 21 (CYFRA21-1)			
CYFRA21-1 mAb	C08601	mAb	IgG
CYFRA21-1 mAb	C08602	mAb	IgG
Carbohydrate Antigen CA125 (CA125)			
CA125-mAb	C08701	mAb	IgG
CA125-mAb	C08702	mAb	IgG
Carbohydrate Antigen CA72-4 (CA72-4)			
CA72-4-mAb	C08801	mAb	IgG
CA72-4-mAb	C08802	mAb	IgM
Carcinoembryonic Antigen (CEA)			
CEA-mAb	C08901	mAb	IgG
CEA-mAb	C08902	mAb	IgG

Hormones			
Name	Cat#	Type	Subtype
Prolactin (PRL)			
Human Prolactin (His Tag)	A070101	Ag	N/A
Prolactin-mAb	C05201	mAb	IgG
Prolactin-mAb	C05202	mAb	IgG
Human Chorionic Gonadotrophin (HCG)			
HCG-mAb	C070201	mAb	IgG
HCG-mAb	C070203	mAb	IgG

Drugs of Abuse			
Name	Cat#	Type	Subtype
Drug Abuse			
K2-mAb	C03701	mAb	IgG
THC-mAb	C03201	mAb	IgG
BZO-mAb	C02901	mAb	IgG
ETG-mAb	C02501	mAb	IgG
FEN1-mAb	C03301	mAb	IgG

Veterinary			
Name	Cat#	Type	Subtype
African Swine Fever Virus (ASFV)			
ASFV P30 (HSA Tag)	A01004-3	Ag	N/A
ASFV P54 (mFc Tag)	A01006-1	Ag	N/A
ASFV P72 (His Tag)	A01007-1	Ag	N/A
Cat Virus			
FeLV P27 (His Tag)	A01901	Ag	N/A
FHV-1 gD (His Tag)	A02401	Ag	N/A

General Tool Materials			
Name	Cat#	Type	Subtype
Blocker, RBC, Secondary Ab, General Tool Materials Series...			
Blocker	C04002	mAb	IgG
Blocker	C04003	mAb	IgG
Blocker	C04004	mAb	IgG
Blocker	C04005	mAb	IgG
Blocker	C04006	mAb	IgG
RBC-mAb	C04501	mAb	IgG
Goat anti-Mouse IgG	C10001	pAb	N/A
Chicken IgY Protein	C10002	pAb	N/A
Goat anti-Chicken IgY	C10003	pAb	N/A
DNP BSA	A04501	Ag	N/A
DNP mAb	C04601	mAb	mIgG
Mouse anti-Human IgG	C01206	mAb	IgG
Mouse anti-Human IgM	C01204	mAb	IgG
IgE-mAb	C02102	mAb	IgG
IgE-mAb	C02103	mAb	IgG
IgE-mAb	C02104	mAb	IgM

Yamasa Corporation

PRODUCT LIST

- ANTIBODIES -

Product code	Product	Ig class
Adrenocorticotrophic Hormone		
7594	Monoclonal Antibody to ACTH	IgG1
Smooth Muscle Myosin Heavy Chain		
7601	Monoclonal Antibody to Smooth Muscle Myosin Heavy Chain (SM2) (mouse ascites)	IgG1
7602	Monoclonal Antibody to Nonmuscle Myosin Heavy Chain (SMemb) (mouse ascites)	IgG2b
Middle Cerebral Artery		
7634	Peroxidase Conjugated Monoclonal Antibody to Human IgG4	IgG1
7644	Monoclonal Antibody to Human IgG4	IgG1
7645	Monoclonal Antibody to Human IgG3	IgG2b
Cardiac Myosin Light Chain		
7887	Monoclonal Antibody to Human Cardiac Myosin Light Chain I	IgG1
Beta Interferon		
7889	Monoclonal Antibody to Human β Interferon (Purified)	IgG1
7891	Monoclonal Antibody to Mouse β Interferon (Purified)	IgG1



Institute of Immunology, Co., Ltd.

PRODUCT LIST

- ANTIBODIES -

Product code	Product	Ig class
Hepatitis B Virus		
2AHB12	Monoclonal Antibody Against HBsAg (determinant d)	IgG1
2AHB13	Monoclonal Antibody Against HBsAg (determinant y)	IgG1
2AHB14	Monoclonal Antibody Against HBsAg (determinant w)	IgG1
2AHB15	Monoclonal Antibody Against HBsAg (determinant r)	IgG1
2AHB16	Monoclonal Antibody Against HBsAg (determinant a)	IgM
2ZT4809	Monoclonal Antibody Against HBsAg (determinant a)	IgG1
2Z7922	Monoclonal Antibody Against HBsAg (determinant a)	IgG2a
2Z3207	Monoclonal Antibody Against HBsAg (determinant a)	IgM
2Z2155	Monoclonal Antibody Against HBsAg (determinant a)	IgG1
2ZT3933	Monoclonal Antibody Against HBsAg (determinant a)	IgM
2AHC21	Monoclonal Antibody Against HBcAg (determinant alpha)	IgG3
2AHC22	Monoclonal Antibody Against HBcAg (determinant beta)	IgG2a
2AHC23	Monoclonal Antibody Against HBcAg (C-terminus)	IgG1
2AHC24	Monoclonal Antibody Against HBcAg(C-terminus)	IgG1
2AHE31	Monoclonal Antibody Against HBeAg (determinant a)	IgG2a
2AHE32	Monoclonal Antibody Against HBeAg (determinant b)	IgG1
2APS41	Monoclonal Antibody Against PreS1	IgG1
2APS42	Monoclonal Antibody Against PreS2	IgG1
2Z3465	Monoclonal Antibody Against PreS2(u)	IgG1
2Z4408	Monoclonal Antibody Against PreS2(s)	IgG1
2ZK0610A	Monoclonal Antibody Against PreS2(k)	IgG3
2ZT2741	Monoclonal Antibody Against PreS2(m)	IgG1
2Z19C18	Monoclonal Antibody Against HBcAg, Hyb-19C1-8	IgG2a
2Z1927	Monoclonal Antibody Against HBcAg, Hyb-19-27	IgM
2ZC33	Monoclonal Antibody Against HBcAg, Hyb-C33	IgG2a
Hepatitis C Virus		
2ACP9	Monoclonal Antibody Against HCV Core (CP9)	IgG1
2ACP11	Monoclonal Antibody Against HCV Core (CP11)	IgG2b
2ACP14	Monoclonal Antibody Against HCV Core (CP14)	IgG1
Helicobacter Pylori		
2AHPUA	Monoclonal Antibody Against HP Urease A	IgG1
2AHPUB	Monoclonal Antibody Against HP Urease B	IgG1
8MHP1	Monoclonal antibody against Helicobacter pylori	IgG1
8MHP2	Monoclonal antibody against Helicobacter pylori	IgG1



Institute of Immunology, Co., Ltd.

PRODUCT LIST

- ANTIBODIES -

Product code	Product	Ig class
Cytokine		
2ACKHH1	Monoclonal Antibody Against Human HGF (alpha chain)	IgG1
2ACKHH2	Monoclonal Antibody Against Human HGF (reduced alpha chain)	IgG1
2ACKHH3	Monoclonal Antibody Against Human HGF (beta chain)	IgG1
2ZT7803A	Monoclonal Antibody Against Human HGF (alpha chain)	IgG2b
2ZA312	Monoclonal Antibody Against Human HGF (alpha chain)	IgG2a
2ZT7718	Monoclonal Antibody Against Human HGF (alpha chain)	IgG2a
2ACKRH1	Monoclonal Antibody Against Rat HGF (alpha chain)	IgG1
2ZN5221	Monoclonal Antibody Against NK4	IgG3
2ACKIA1	Monoclonal Antibody Against Human IFN-alpha	IgG1
2Z3004	Monoclonal Antibody Against Human IFN-alpha	IgG1
2Z3009	Monoclonal Antibody Against Human IFN-alpha	IgG1
2ACKIB1	Monoclonal Antibody Against Human IFN-beta	IgG1
2ACKIB2	Monoclonal Antibody Against Human IFN-beta	IgG1
2ACKIL2	Monoclonal Antibody Against Human IL-2	IgG1
Cancer Marker		
2AHCMA1	Monoclonal Antibody Against Human AFP (determinant a)	IgG1
2AHCMA2	Monoclonal Antibody Against Human AFP (determinant b)	IgG1
2AHCMA3	Monoclonal Antibody Against Human AFP (determinant c)	IgG1
2AHCMA1	Monoclonal Antibody Against Human CEA	IgG1
2AHCMA2	Monoclonal Antibody Against Human CEA	IgG1
2Z4969	Monoclonal Antibody Against Human CEA	IgG1
2Z3524	Monoclonal Antibody Against Human CEA	IgG1
2AHCMP1	Monoclonal Antibody Against Human PAP	IgG1
2AHCMP2	Monoclonal Antibody Against Human PAP	IgG1
2ACMCA1	Monoclonal Antibody Against Carbohydrate Antigen 125	IgG1
2ACMCA2	Monoclonal Antibody Against Carbohydrate Antigen 125	IgG1
2ACMCA3	Monoclonal Antibody Against Carbohydrate Antigen 125	IgG1
8MCa199	Monoclonal antibody against Ca19.9	IgG1
8MCa1531	Monoclonal antibody against Ca15.3	IgG1
8MCa1532	Monoclonal antibody against Ca15.3	IgG1
8MPGI1	Monoclonal antibody against Pepsinogen I	IgG2a
8MPGI2	Monoclonal antibody against Pepsinogen I	IgG1
8MPGII1	Monoclonal antibody against Pepsinogen II	IgG1
8MPGII2	Monoclonal antibody against Pepsinogen II	IgG1
8MCa1251	Monoclonal antibody against Ca125	IgG1
8MCa1253	Monoclonal antibody against Ca125	IgG1
8MELA-11	Monoclonal antibody against Elastase -1	IgG1
8MELA-12	Monoclonal antibody against Elastase -1	IgG2b
8MPDPN1	Monoclonal antibody against Podoplanin	IgG1
8MPDPN2	Monoclonal antibody against Podoplanin	IgG1
8MAFP1	Monoclonal antibody against AFP	IgG2a
8MAFP2	Monoclonal antibody against AFP	IgG1
8MCEA1	Monoclonal antibody against CEA	IgG1
8MCEA2	Monoclonal antibody against CEA	IgG1
8MfPSA1	Monoclonal antibody against free-PSA	IgG1
8MfPSA2	Monoclonal antibody against free-PSA	IgG1
8MtPSA1	Monoclonal antibody against total-PSA	IgG1
8MtPSA2	Monoclonal antibody against total-PSA	IgG2a
8MFer3	Monoclonal antibody against Ferritin	IgG1
8MFer4	Monoclonal antibody against Ferritin	IgG1



Institute of Immunology, Co., Ltd.

PRODUCT LIST

- ANTIBODIES -

Blood		
2AHIGG1	Monoclonal Antibody Against Human IgG	IgG2a
2AHIGG2	Monoclonal Antibody Against Human IgG	IgG1
2AHIGM1	Monoclonal Antibody Against Human IgM	IgG1
2AHIGAW	Monoclonal Antibody Against Human IgA	IgG2b
2AHIGA1	Monoclonal Antibody Against Human IgA1	IgG1
2AHIGA2	Monoclonal Antibody Against Human IgA2	IgG1
2AHIGSA	Monoclonal Antibody Against Human sIgA	IgG1
2AHIGD1	Monoclonal Antibody Against Human IgD	IgG1
2AHIGE1	Monoclonal Antibody Against Human IgE	IgG1
2AHBHB1	Monoclonal Antibody Against Human Hemoglobin	IgG1
2AHBGPA	Monoclonal Antibody Against Human Glycophorin A	IgM
2AHBGPB	Monoclonal Antibody Against Human Glycophorin B	IgG3
Blood Type		
2AHBGA1	Monoclonal Antibody Against Human Blood Group A	IgM
2AHBGB1	Monoclonal Antibody Against Human Blood Group B	IgM
2AHBGH1	Monoclonal Antibody Against Human Blood Group H	IgM
2AHBGLA	Monoclonal Antibody Against Human Blood Group Le ^a	IgG1
2AHBGLB	Monoclonal Antibody Against Human Blood Group Le ^b	IgM
2AHBGM1	Monoclonal Antibody Against Human Blood Group M	IgG1
2AHBGN1	Monoclonal Antibody Against Human Blood Group N	IgG1
2AHBGA2	Monoclonal Antibody Against Human Blood Group A (secretor)	IgM
2ZK7421	Monoclonal Antibody Against Human Blood Group A (secretor)	IgM
2AHBGA3	Monoclonal Antibody Against Human Blood Group A (non-secretor)	IgM
2AHBGA4	Monoclonal Antibody Against Human Blood Group A (non-secretor)	IgG1
Heat Shock Protein		
2AHSP7A	Monoclonal Antibody Against Human HSP90 alpha	IgG1
2AHSP3A	Monoclonal Antibody Against Human HSP90 alpha	IgG1
2AHSP9A	Monoclonal Antibody Against Human HSP90 alpha	IgG2a
2AHSP116A	Monoclonal Antibody Against Human HSP90 alpha	IgG2b
2AHSP1B	Monoclonal Antibody Against Human HSP90 beta	IgM
2AHSP5B	Monoclonal Antibody Against Human HSP90 beta	IgM
2ZK3705	Monoclonal Antibody Against Human HSP90 beta	IgM
2AHSP20	Monoclonal Antibody Against Human HSP90 alpha beta	IgG1
2ZK41220A	Monoclonal Antibody Against Human HSP90 alpha beta	IgG2a
Lactoferrin		
2ABLF1	Monoclonal Antibody Against Bovine Lactoferrin	IgG1
2ABLF2	Monoclonal Antibody Against Bovine Lactoferrin	IgG1
2ABLF3	Monoclonal Antibody Against Bovine Lactoferrin	IgG1
2AHLF1	Monoclonal Antibody Against Human Lactoferrin	IgG1
RBP-Jκ		
2ARBP1	Monoclonal Antibody Against Mouse RBP-J kappa	IgG1
2ARBP2	Monoclonal Antibody Against Mouse RBP-J kappa	IgG2a
2ARBP3	Monoclonal Antibody Against Mouse RBP-J kappa	IgG2a



Institute of Immunology, Co., Ltd.

PRODUCT LIST

- ANTIBODIES -

Transcription factor		
2ATFA01	Monoclonal Antibody Against human NFAT (Nuclear factor of activated T-cells) c1	IgG2a
2ATFA02	Monoclonal Antibody Against human NFAT (Nuclear factor of activated T-cells) c1	IgG2a
2ATFB01	Monoclonal Antibody Against human NFAT (Nuclear factor of activated T-cells) c3	IgG2a
2ATFC01	Monoclonal Antibody Against Human KLF2 (Kruppel-like factor2)	IgG2a
2ATFD01	Monoclonal Antibody Against Human Ets-1	IgG2a
2ATFD02	Monoclonal Antibody Against Human Ets-1	IgG2a
2ATFD03	Monoclonal Antibody Against Human Ets-1	IgG2a
2ATFE01	Monoclonal Antibody Against Human DSCR (down Syndrome Critical Region) -1	IgG2b
2ATFE02	Monoclonal Antibody Against Human DSCR (down Syndrome Critical Region) -1	IgG2a
2ATFE03	Monoclonal Antibody Against Human DSCR (down Syndrome Critical Region) -1	IgG2b
2ATFE04	Monoclonal Antibody Against Human DSCR (down Syndrome Critical Region) -1	IgM
2ATFE05	Monoclonal Antibody Against Human DSCR (down Syndrome Critical Region) -1	IgG2a
RIG-I		
2AIIA01	Monoclonal Antibody Against human RIG-I	IgG1
2AIIA02	Monoclonal Antibody Against human RIG-I	IgG1
Influenza		
2AFLUA1	Monoclonal Antibody Against Influenza A (NP)	IgG1
2AFLUA2	Monoclonal Antibody Against Influenza A (NP)	IgG2a
2AFLUB1	Monoclonal Antibody Against Influenza B (NP)	IgM
2AFLUB2	Monoclonal Antibody Against Influenza B (NP)	IgG2b
Liver		
8MTF1	Monoclonal antibody against Transferrin	IgG1
8MTF2	Monoclonal antibody against Transferrin	IgG1
8MColV1	Monoclonal antibody against Type IV Collagen	IgG1
8MColV2	Monoclonal antibody against Type IV Collagen	IgG1
8MColV3	Monoclonal antibody against Type IV Collagen	IgG1
8MColV4	Monoclonal antibody against Type IV Collagen	IgG2a
8MAIb1	Monoclonal antibody against Albumin	IgG1
8MAIb2	Monoclonal antibody against Albumin	IgG1
8MPa1	Monoclonal antibody against Prealbumin	IgG1
Thyroid		
8MTBG1	Monoclonal antibody against TBG	IgG1
8MTBG2	Monoclonal antibody against TBG	IgG1
8MTG1	Monoclonal antibody against Thyroglobulin	IgG2a
8MTG2	Monoclonal antibody against Thyroglobulin	IgG1
8MTSH1	Monoclonal antibody against TSH	IgG2a
8MTSH2	Monoclonal antibody against TSH	IgG1
kidney		
8MCyS-C1	Monoclonal antibody against Cystatin C	IgG1
8MCyS-C2	Monoclonal antibody against Cystatin C	IgG2a
8Mβ2M1	Monoclonal antibody against β2 microglobulin	IgG1
8Mβ2M2	Monoclonal antibody against β2 microglobulin	IgG1
8MREPF1	Monoclonal antibody against Retinol - binding protein	IgG1
8MREPF2	Monoclonal antibody against Retinol - binding protein	IgG1



Institute of Immunology, Co., Ltd.

PRODUCT LIST

- ANTIBODIES -

Diabetes		
8MInsulin1	Monoclonal antibody against Insulin	IgG1
8MInsulin2	Monoclonal antibody against Insulin	IgG1
8MLep1	Monoclonal antibody against Leptin	IgG1
8MLep2	Monoclonal antibody against Leptin	IgG1
Cardiac marker		
8MMyoG1	Monoclonal antibody against Myoglobin	IgG1
8MMyoG2	Monoclonal antibody against Myoglobin	IgG1
Ulcerative colitis		
8MCAL1	Monoclonal antibody against Calprotectin	IgG1
8MCAL2	Monoclonal antibody against Calprotectin	IgG1
8MCAL3	Monoclonal antibody against Calprotectin	IgG1
8MCAL4	Monoclonal antibody against Calprotectin	IgG1
Inflammation		
8MKL-61	Monoclonal antibody against KL-6	IgG1
8MKL-62	Monoclonal antibody against KL-6	IgG1
8MMMP31	Monoclonal antibody against MMP-3	IgG1
8MMMP32	Monoclonal antibody against MMP-3	IgG1
Allergy		
8MIgE3	Monoclonal antibody against IgE	IgG1
Endocrinology and others		
2AASA01	Monoclonal Antibody Against Human Asparagine Synthetase	IgG1
2AASA02	Monoclonal Antibody Against Human Asparagine Synthetase	IgG1
2ZT8617A	Monoclonal Antibody Against Horseshoe crab Factor C	IgG1
2ZT8722A	Monoclonal Antibody Against Horseshoe crab Factor C	IgG1
8MIGF-I1	Monoclonal antibody against IGF-I	IgG1
8MIGF-I2	Monoclonal antibody against IGF-I	IgG1
8MTfR1	Monoclonal antibody against Transferrin receptor	IgG1
8MTfR2	Monoclonal antibody against Transferrin receptor	IgG1
8MHlgM	Monoclonal antibody against Human IgM, Hyb-HlgM	IgG1



Institute of Immunology, Co., Ltd.

PRODUCT LIST

- ANTIGENS & HAMA BLOCKERS -

Antigens			
Product code	Product		Package
6Z11	Purified HBs Antigen		1mL
6Z21E	Recombinant HBcore antigen (E. coli)		1mL
6Z32	Helicobacter Pylori Antigen-JP		1mL

Human Anti-Mouse Antibody Blockers (HAMA Blockers)			
Product code	Product	Ig class	Package
2ATHBR1	THBR1-AS (mouse ascites)	IgG1	1mL
2ATHBR2	THBR2 (purified mouse ascites)	IgM	10mg/mL 1mL



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PRODUCT LIST

- KIT PRODUCTS -

Product code	Product	Storage*	Package
Hepatitis B Virus			
1A63	HBsAg Subtype EIA	2-10°C	24 tests
1A63dy	HBsAg Subtype EIA ad/ay 48T	2-10°C	48 tests
1A63d	HBsAg Subtype EIA ad 96T	2-10°C	96 tests
1A63y	HBsAg Subtype EIA ay 96T	2-10°C	96 tests
1A65	Immunis HBV Genotype EIA	2-10°C	48 tests
Cytokine (Hepatocyte Growth Factor)			
1EH1	Immunis HGF EIA (human HGF)	2-10°C	96 tests

* Storage and handling temperature : 2-10°C, Not refreezing

HAMA Blocker

THBR1-AS
THBR2

HAMA (Human Anti Mouse Antibody), which is considered to be present in a few percent of healthy individuals, is one of the causes of false positive results in immunoassays.

In immunoassays, it is common practice to add a HAMA blocker beforehand in the assay system so as to avoid interference by HAMA.

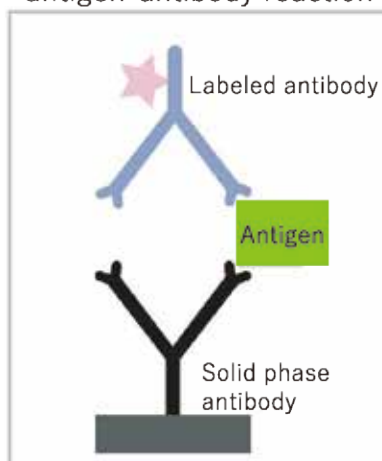
In cases where a false positive due to HAMA is suspected in clinical practice, the addition of a HAMA blocker may help to determine if it is indeed a false positive. This reagent is designed to inhibit interference caused by HAMA in immunoassays.

Principle of HAMA Inhibition

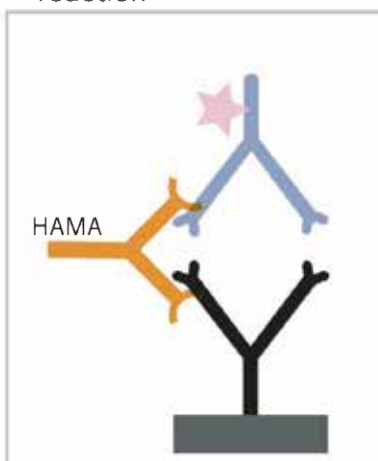
In the sandwich immunoassay using mouse antibodies (I), if HAMA is present in the sample, a cross-linking reaction (nonspecific reaction) between the solid phase antibody and the labeled antibody may occur, causing a false positive result (II).

In this case, the addition of a HAMA blocker blocks HAMA to suppress nonspecific reactions (III).

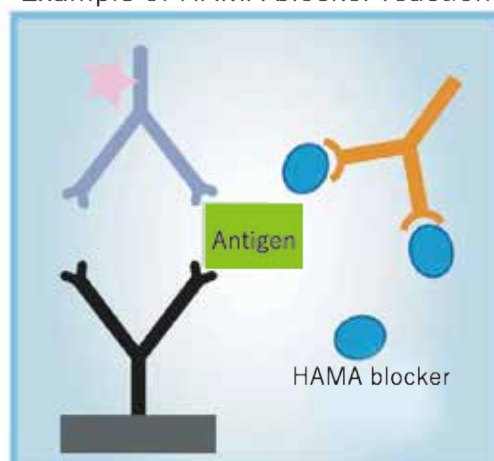
Example of normal antigen-antibody reaction



Example of nonspecific reaction



Example of HAMA blocker reaction



The effects of THBR1-AS/ THBR2 vary depending on assay systems, non-specific samples, etc.

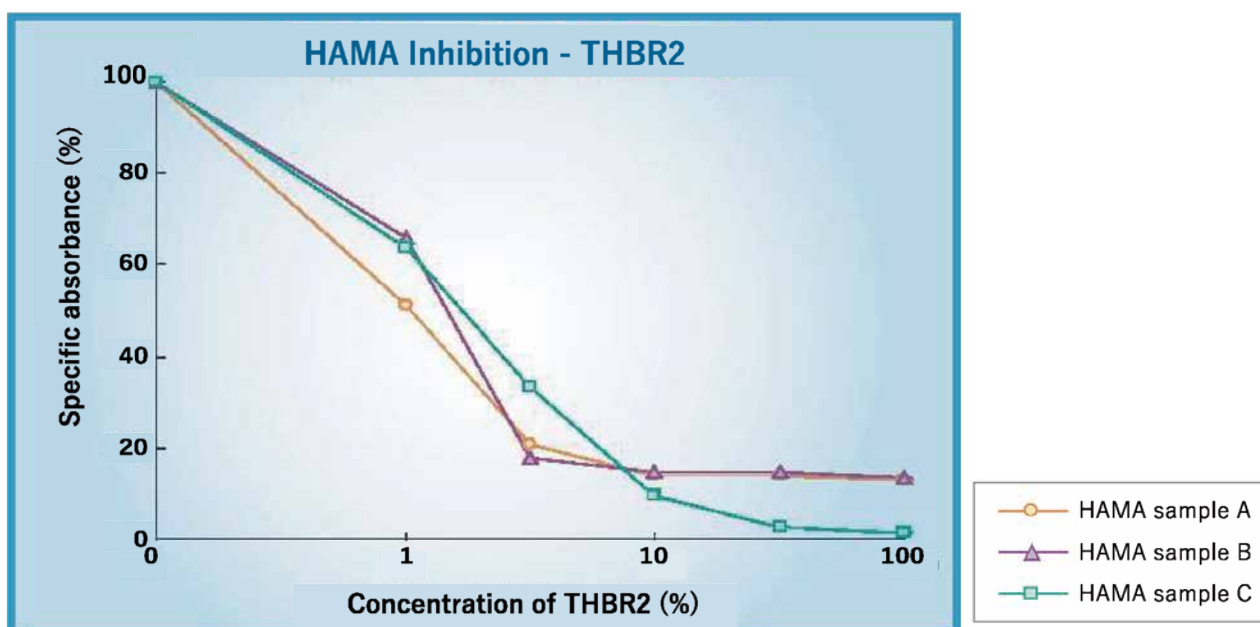
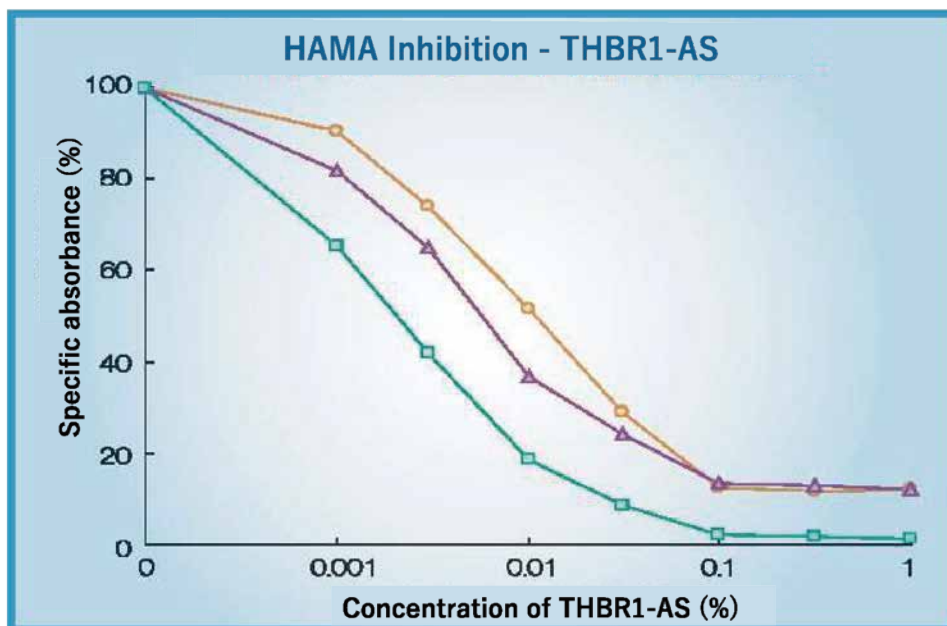
Every time you use THBR1-AS or THBR2 for a sample product, it is recommended to consider the concentration of THBR1-AS or THBR2 added in its assay system.

THBR1-AS is applicable to the agglutination assay.



Example

In 2-step sandwich ELISA using mouse IgG₁ antibody as both solid phase antibody and labeled antibody, THBR1-AS/THBR2 were added to sample diluent and labeled antibody diluent.



In this example, the following additions almost completely suppressed nonspecific reaction caused by HAMA:

THBR1-AS: 0.1-1%

THBR2: 10-100 μ g/mL

Product Information

Product code	Product name	Ig class	Source	Package	Storage
2ATHBR1	THBR1-AS	IgG ₁	Mouse ascites	1mL	-20°C
2ATHBR2	THBR2	IgM	Mouse ascites	10mg/mL 1mL	-20°C



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HBsAg Subtype EIA

EIA based hepatitis B surface antigen subtyping kit with monoclonal antibodies

This kit has been developed as a reagent for research purposes to detect respective subtypic determinants, d, y, r, and w, in hepatitis B surface antigen (HBsAg) positive samples for identification of HBsAg subtypes such as adr, adw, ayr and ayw. Detection of subtypic determinants is based on the solid-phase sandwich EIA (Enzyme Immuno Assay). 96 wells of the microplate are coated with monoclonal antibody against the common determinant a of HBsAg. HBsAg in samples dispensed to wells is caught on the solid phase and their subtypic determinant, d, y, r, or w, is detected by peroxidase-labeled monoclonal antibody against corresponding determinant.



Application

Determination of subtypes of hepatitis B surface antigen (HBsAg) in serum or plasma.



Features

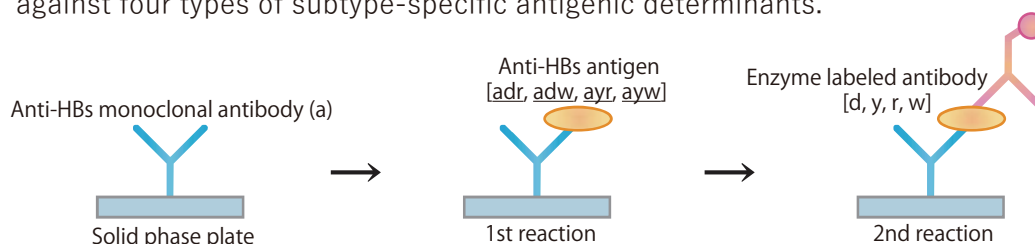
- Determining HBs antigen subtype using two-step sandwich EIA method
- Uses a 12-division type antibody solid phase plate with 8 wells per strip
- Reaction time is 5 hours 30 minutes

Kit Components

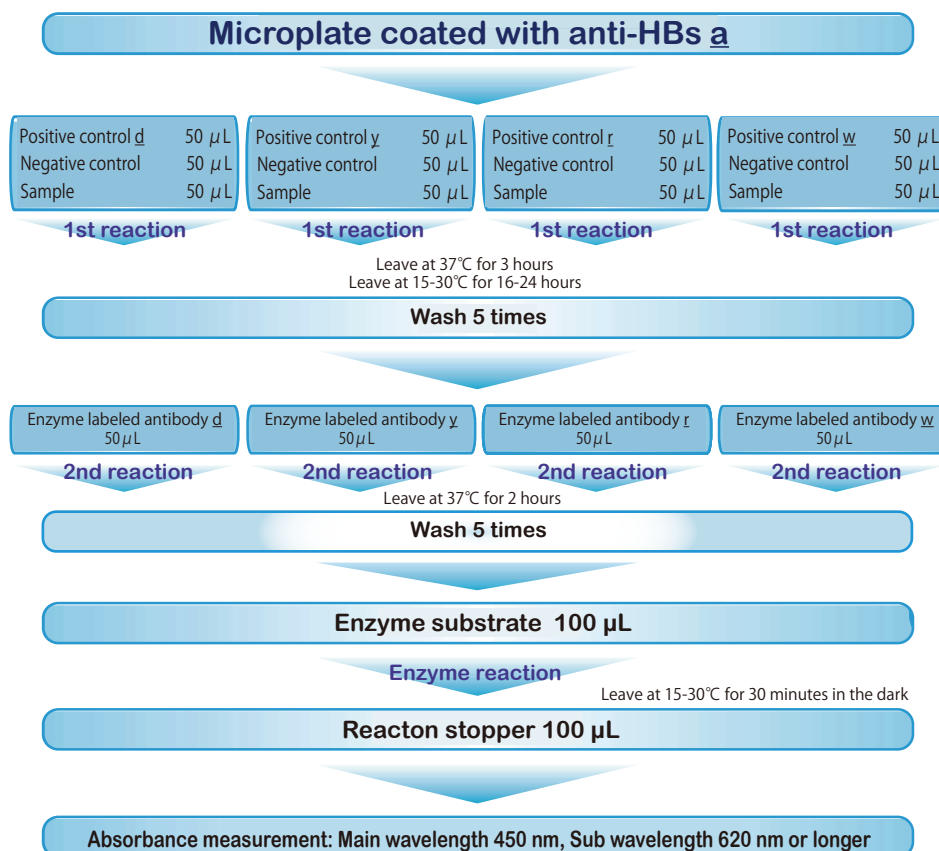
1. Microplate coated with anti-HBs a (8 wells x 12 strips) 1 plate
2. HBsAg negative control 1 mL x 1 vial
3. HBsAg positive control (d) 0.5 mL x 1 vial
4. HBsAg positive control (y) 0.5 mL x 1 vial
5. HBsAg positive control (r) 0.5 mL x 1 vial
6. HBsAg positive control (w) 0.5 mL x 1 vial
7. Enzyme labeled monoclonal antibody (d) 1.5 mL x 1 vial
8. Enzyme labeled monoclonal antibody (y) 1.5 mL x 1 vial
9. Enzyme labeled monoclonal antibody (r) 1.5 mL x 1 vial
10. Enzyme labeled monoclonal antibody (w) 1.5 mL x 1 vial
11. Enzyme substrate 10 mL x 1 vial
12. Reaction stopper 10 mL x 1 vial
13. 20x concentrated washing solution 25 mL x 2 vials
14. Plate seal 5 sheets

Assay Principle

Determined by a two-step sandwich EIA method using a monoclonal antibody against common antigenic determinant a of HBs antibodies and mouse monoclonal antibodies against four types of subtype-specific antigenic determinants.



Assay Procedure



[Reference]

Usuda S, Tsuda F, et al: J Immunol Methods 87: 203-210, 1986.

Product Information

Product code	Product name	Package	Storage	Shelf life
1A63	HBsAg Subtype EIA	24 tests	2-10°C	1 year
1A63dy	HBsAg Subtype EIA ad/ay 48T	48 tests	2-10°C	1 year
1A63d	HBsAg Subtype EIA ad 96T	96 tests	2-10°C	1 year
1A63y	HBsAg Subtype EIA ay 96T	96 tests	2-10°C	1 year



Institute of Immunology Co., Ltd.

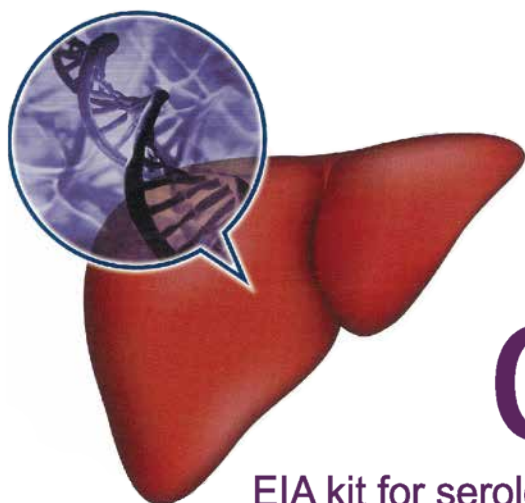
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IMMUNIS[®] HBV Genotype EIA

EIA kit for serological determination of hepatitis B virus genotype

This HBV genotyping kit adopts one-step sandwich EIA by detecting genotype-specific epitopes in PreS2 region.

Purpose

Hepatitis B Virus serological genotyping in human serum (Genotype A, B, C, or D)

Features

- Fast and easy detection based on one-step EIA method.
- 98% of samples with HBsAg concentration of 3 IU/mL or more were determined to genotypes A, B, C, or D.
- Sample volume: 80 μ L of HBsAg positive serum
- Available for determination of cryopreserved samples.
- 4 wells per sample
- Reaction time: 2.5 hours

Clinical significance of this product

There are eight genotypes (genotype A to H) of hepatitis B virus (HBV) which are distinguished by > 8 % difference in the nucleotide sequence of the HBV genome^{1,2)}. Genotypes A and D are common in Europe and the United States, while genotypes B and C are prevalent in Asia. Genotype F is frequent in Latin America, while genotype E is confined to Central and Western Africa. Many studies indicate that HBV genotypes influence the severity of chronic hepatitis B and the response to interferon therapy.

“IMMUNIS[®] HBV Genotype EIA” is an enzyme immunoassay (EIA) based HBV genotyping kit, designed to discriminate between genotypes to A, B, C, or D by detecting genotype-specific epitopes in PreS2 region³⁻⁵⁾.

HBs antigen (HBsAg) possesses some of four genotype dependent epitopes (called ‘m’ , ‘k’ , ‘s’ , and ‘u’) in its PreS2 region. Genotype A, B, C, or D virus present ‘su’ , ‘m’ , ‘ks’ , or ‘ksu’ epitopes respectively. Therefore, genotypes can be determined serologically by the positive/negative combinations (serotypes) of four EIA that is specific for epitopes ‘m’ , ‘k’ , ‘s’ , or ‘u’ , respectively.

This kit determines the HBV genotype by a one-step sandwich EIA using a monoclonal antibody against common antigenic determinant a of HBs antigen and mouse monoclonal antibodies against four types of PreS2 antigen epitopes.

1) Okamoto H, et al: J Gen Virol **69**: 2575-2583, 1988. 2) Arauz-Ruiz P, et al: Gen Virol **83**: 2059-2073, 2002. 3) Usuda S, et al: J Virol Methods **80**: 97-112, 1999. 4) Moriya T, et al: J Clin Microbiol. **40**: 877-880, 2002. 5) Tanaka Y, et al: Rinsho Byori. **57**: 42-47, 2009.

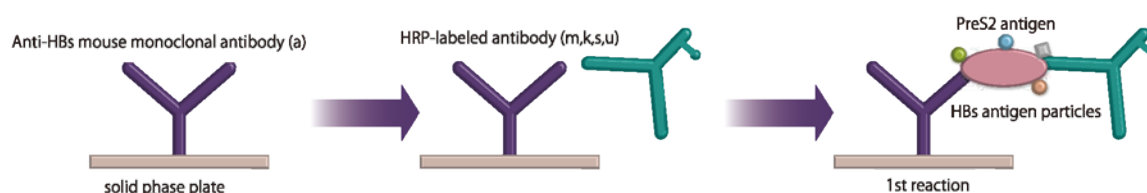
Kit Components

- 1 Microplate coated with anti-HBs (8 wells x 12 strips) 2 plates
- 2 HRP-labeled mAbs (m, k, s, u) 5 mL/vial, 4 vials
- 3 Negative control 1 mL x 1 vial
- 4 Positive controls (m, k, s, u) 0.25 mL/vial, 4 vials
- 5 HRP substrate 20 mL x 1 vial
- 6 Reaction stopper 20 mL x 1 vial
- 7 Washing solution (20x concentrated) 50 mL x 2 vials
- 8 Plate seal 6 sheets



Assay Principle

There are epitopes m, k, s, and u in the PreS2 region of HBs antigen that can be distinguished by four types of monoclonal antibodies, and genotypes A, B, C, and D have epitopes su, m, ks, and ksu, respectively. Therefore genotypes A, B, C, and D can be determined by the combination of the four epitopes m, k, s, and u (serotype).



Determination of HBV genotypes

PreS2 epitope				PreS2 serotype	HBV genotype
m	k	s	u		
—	—	+	+	su	A
+	—	—	—	m	B
—	+	+	—	ks	C
—	+	+	+	ksu	D
				Others	Unclassified

Precision

In 91 samples that have been genotyped by DNA sequencing, 87 (95.6 %) were in complete accordance with this EIA genotyping, and the other 4 (4.4 %) were 'Unclassified'.

		Genotype determination by this kit					Total	Match rate
		A	B	C	D	Unclassified		
Genotyping by Sequencing	Genotype A	19				1	20	95.0%
	Genotype B		20			1	21	95.2%
	Genotype C			40		2	42	95.2%
	Genotype D				8		8	100.0%
Total		19	20	40	8	4	91	95.6%

Reference: Tanaka Y, Sugauchi F, Matsuura K, et al: Rinsho Byori. 57: 42-47, 2009.

Product information

Product code	Product name	Package	Storage	Shelf life
1A65	IMMUNIS® HBV Genotype EIA	48 tests	2-10°C	1 year



tokumen

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 URL : https://www.tokumen.co.jp/en/



Hepatocyte Growth Factor kit

IMMUNIS® HGF EIA

Reagent for determination of human Hepatocyte Growth Factor (HGF)



General description

Serum Hepatocyte growth factor level elevates in various liver diseases and fluctuates reflecting the conditions of patients. Serum HGF concentration in fulminant hepatitis patients increases significantly in comparison with those in other hepatitis and its close relation with encephalopathy is known widely. That is, this marker shows an abnormal elevation just before expression of encephalopathy and decreases with recovery from it. After expression of encephalopathy, HGF level further elevates when poor prognosis is expected. Since prothrombin time as one of the diagnostic criteria of fulminant hepatitis also decreases in acute hepatitis, liver cirrhosis, or hepatocellular carcinoma, HGF is expected to be a marker more specific to fulminant hepatitis. Determination of HGF, therefore, is an effective means for diagnosis of fulminant hepatitis at its early stage and its prognosis.

"IMMUNIS® HGF EIA" affords determination of serum HGF at ease by means of the enzyme immunoassay (EIA) using monoclonal antibodies.



Features

1. Two monoclonal antibodies used in this kit assure determination of HGF level at high sensitivity.
2. 2-step immuno reaction assures determination in a short time.
3. This kit does not require any special facility and can determine the marker at least with the minimum preparation of reagents.

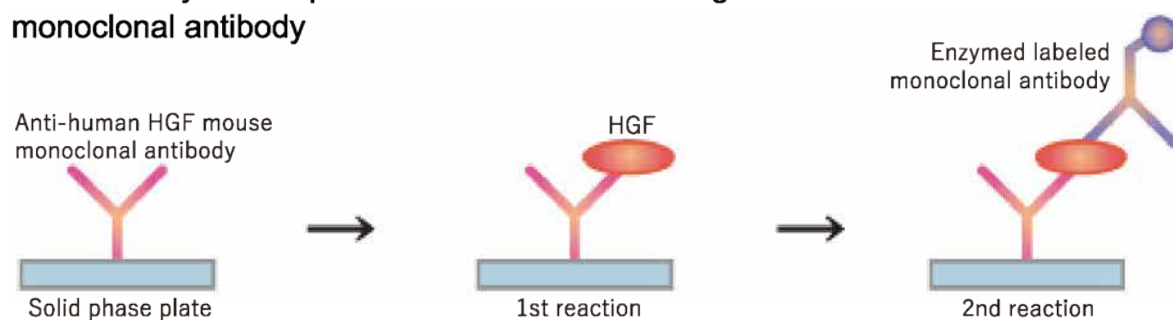
Kit Components

1. Anti-HGF monoclonal antibody coated microplate (8 wells x 12 strips) 1 plate
2. HGF standard solution 1 (0 ng/mL) 0.5 mL x 1 vial
HGF standard solution 2 (0.1 ng/mL) 0.5 mL x 1 vial
HGF standard solution 3 (0.3 ng/mL) 0.5 mL x 1 vial
HGF standard solution 4 (1 ng/mL) 0.5 mL x 1 vial
HGF standard solution 5 (3 ng/mL) 0.5 mL x 1 vial
3. Sample diluent 15 mL x 1 vial
4. Enzyme labeled monoclonal antibody 10 mL x 1 vial
5. Enzyme substrate 30 mL x 1 vial
6. Color developer 4 tablets
7. Reaction stopper (2 mol/L sulfuric acid) ... 6 mL x 1 vial
8. 20x concentrated washing solution 25 mL x 2 vials
9. Plate seal 3 sheets



Assay Principle

Measured by two-step sandwich EIA method using anti-human HGF mouse monoclonal antibody



Assay Procedure

Anti-HGF monoclonal antibody coated microplate

Sample diluent 50 μ L + HGF standard solution 50 μ L
Samples 50 μ L

1st reaction

Shaking for 1 hour at 20-30°C

Wash 5 times

Enzyme labeled monoclonal antibody 100 μ L

2nd reaction

Shaking for 1 hour at 20-30°C

Wash 5 times

Enzyme substrate 100 μ L

Enzyme reaction

For 30 min at 20-30°C in the dark

Reaction stopper 50 μ L

Absorbance measurement: 492 nm or 490 nm

[Reference]

- 1) Nakamura T, Nawa K, Ichihara A : Biochem. Biophys. Res. Commun. **122** : 1450-1459, 1984.
- 2) Nakamura T, Nishizawa T, Hagiya M, et al : Nature **342** : 440-443, 1989.
- 3) Nakamura T : Prog. Growth Factor Res. **3** : 67-85, 1991.

Product Information

Product code	Product name	Package	Storage	Shelf life
1EH1	IMMUNIS® HGF EIA	96 tests	2-10°C	1 year



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URL : <https://www.tokumen.co.jp/en/>



From Okinawa, we contribute to healthcare and society through “monozukuri” (manufacturing).



Culturing Services

Culture with bioreactor (for animal cells)



With a bioreactor, we can culture medium-scale animal cells, including CHO cells.

We have both 3-liter and 10-liter culture tanks available for the bioreactor. If you need scale-up from flask culture, please feel free to contact us.

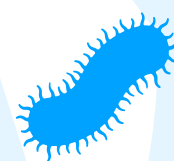


Culture with fermenter (for bacterial cells)



We can provide medium-scale culture of E. coli or other bacterial cells using a 10-litre fermenter.

If you need scale-up from flask culture, please feel free to contact us.



Our facility has a BSL-2 (Biosafety Level 2) laboratory (P2 room).

Research-Grade Plasmid Production (endotoxin-free / animal-free)

We provide high-quality, low-cost plasmids, which can be endotoxin-free and/or animal-free plasmids manufactured in accordance with the Standards for Biological Raw Materials, set by the Japanese Ministry of Health, Labour and Welfare.

Endotoxin-free plasmids have low toxicity to cells and organisms and are ideal for cell culture, antibody/protein transient production, viral vector production, and vivo testing.

High-copy plasmid	Standard	Endotoxin-free
5 mg	Please contact us for pricing.	
20 mg		
50 mg		
100 mg		

Antibody/Protein Transient Production

ABCRUX accommodates a variety of production scales/quantities, from a minimum of 5mL up to a maximum of 7L culture. We can produce clean antibodies/proteins using our in-house manufactured endotoxin-free and animal-free plasmids.



5-25mL/50mL centrifuge tubes

100 types



0.25L/1L flasks

24 types



10-litre bioreactor



Chromatographic purification

Supports up to 10g
Production with stable producing strains is also available. Please provide cell lines only for the first time.

Establishment of Stable Antibody/Protein Production Strains

With both animal-free plasmids manufactured in accordance with Standards for Biological Raw Materials, and serum-free medium, ABCRUX enables consistent animal-free establishment of stable production strains.

If a stable production strain is established using a serum-free medium and suspension CHO cells from the time of gene transfer, acclimation and suspension operations are no longer required, which is a great advantage for scale-up culture and purification.

ABCRUX also provides services for culture at various scales, acquisition of purified antibodies and proteins, and production of cell banks.



Analytical services

ABCRUX provides analysis services for manufactured plasmids, antibodies/proteins, and cells.

Please contact us for consultation on the construction of PAGE, WB, and ELISA systems.



Flow cytometer



Molecular interaction analysis



Capillary electrophoresis

Business Results

Over the past six years, we have undertaken approximately 100 contracts.

Pharma company	IVD maker	Bio-venture	University	Chemical maker	Others
6	9	15	27	24	17

Company Information



Company name: Abcrux BioFactory Inc.

Established: September 3, 2018

Origin of the company name:

AB: Combination of "AB," indicating that we have been involved in Anti-Body research for about 20 years.

CRUX: Meaning the Southern Cross in Latin.
In Japan, it can only be observed in Okinawa.
It is an important star used for navigation in the southern seas.

The name "Abcrux" reflects their hope to be of service to your "voyage" of research.

ABCRUX BioFactory Inc.

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Contact:

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112-0004 JAPAN
TEL 03-3814-4081
E-mail info@tokumen.co.jp
<https://www.tokumen.co.jp>



Hepatitis B virus related Antigens

Beacle, Inc. introduces hepatitis B virus-related products developed through research for over 20 years.

These antigens manufactured using recombinant yeast or E. coli are safe without risk of infection. They can be used not only for research purposes but also for diagnostic development. Except for peptide antigens, these antigens are a particle type.

HBsAg-L : HB surface antigen composed of full length of L-protein displaying S, Pre-S1 and Pre-S2 regions. It is also called “large S antigen”. Recombinant antigen made in yeast cells. Genotypes of A, B, C and D are available.

HBsAg-L-ST : HB surface antigen composed of full length of L-proteins displaying S, Pre-S1 and Pre-S2 regions. S region is introduced with two mutations that is known in naturally occurring escape mutants and not recognized by antibodies against “a” determinant. Recombinant antigen made in yeast cells. (derived from Genotype C)

HBsAg-M : HB surface antigen composed of M proteins displaying S and Pre-S2 regions. Recombinant antigen made in yeast cells. (derived from Genotype C)

HBsAg-XT : HB surface antigen composed of surface proteins lacking Pre-S1 and partial Pre-S2 regions from L protein. It shows high S antigen activity. Recombinant antigen made in yeast cells. (derived from Genotype C)

HBsAg-S : HB surface antigen composed of S region. It is also called “small S antigen”. Two subtypes, adr and adw are available. Recombinant antigen made in yeast cells.

Pre-S1 antigen : Recombinant Pre-S1 peptide antigen made in E. coli. Genotypes of A, B, C and D and peptides with or without tag are available.

Pre-S2 antigen : Recombinant Pre-S2 peptide antigen made in E. coli. Genotypes of A, B, C and D and peptides with or without tag are available.

Core antigen : Core antigen of HBV, also called HBcAg that forms particle. Recombinant antigen made in yeast cells. (derived from Genotype C)

The above antigens labeled with fluorescent dyes can also be supplied upon requests. We also provide services such as manufacturing various antigens and construction of ELISA system.

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List of hepatitis B virus related antigens

Type	Product code	Product Name	Content
Particle Antigen	BCL-AGA-01	HBsAg L-protein (gtA), Recombinant	100μg
	BCL-AGB-01	HBsAg L-protein (gtB), Recombinant	100μg
	BCL-AGC-01	HBsAg L-protein (gtC), Recombinant	100μg
	BCL-AGD-01	HBsAg L-protein (gtD), Recombinant	100μg
	BCL-AGS-02	HBsAg L-protein ST, Recombinant	100μg
	BCL-AGM-01	HBsAg M-protein, Recombinant	100μg
	BCL-AGSC-01	HBsAg S-protein, adr, Recombinant	inquiry
	BCL-AGSA-01	HBsAg S-protein, adw, Recombinant	inquiry
	BCL-AGX-02	HBsAg-XT, Recombinant	100μg
	BCL-HBC-01	HBV Core antigen (HBcAg), Recombinant	100μg
Peptide Antigen	BCL-AGS1A-01	HBsAg,Pre-S1 Peptide (gtA), Recombinant, no-tag	100μg
	BCL-AGS1B-01	HBsAg,Pre-S1 Peptide (gtB), Recombinant, no-tag	100μg
	BCL-AGS1C-02	HBsAg,Pre-S1 Peptide (gtC), Recombinant, no-tag	100μg
	BCL-AGS1D-01	HBsAg,Pre-S1 Peptide (gtD), Recombinant, no-tag	100μg
	BCL-AGS1A-21	HBsAg,Pre-S1 Peptide (gtA), Recombinant, tagged	100μg
	BCL-AGS1B-21	HBsAg,Pre-S1 Peptide (gtB), Recombinant, tagged	100μg
	BCL-AGS1C-22	HBsAg,Pre-S1 Peptide (gtC), Recombinant, tagged	100μg
	BCL-AGS1D-21	HBsAg,Pre-S1 Peptide (gtD), Recombinant, tagged	100μg
	BCL-AGS2A-01	HBsAg,Pre-S2 Peptide (gtA), Recombinant, no-tag	100μg
	BCL-AGS2B-01	HBsAg,Pre-S2 Peptide (gtB), Recombinant, no-tag	100μg
	BCL-AGS2C-02	HBsAg,Pre-S2 Peptide (gtC), Recombinant, no-tag	100μg
	BCL-AGS2D-01	HBsAg,Pre-S2 Peptide (gtD), Recombinant, no-tag	100μg
	BCL-AGS2A-21	HBsAg,Pre-S2 Peptide (gtA), Recombinant, tagged	100μg
	BCL-AGS2B-21	HBsAg,Pre-S2 Peptide (gtB), Recombinant, tagged	100μg
	BCL-AGS2C-22	HBsAg,Pre-S2 Peptide (gtC), Recombinant, tagged	100μg
	BCL-AGS2D-21	HBsAg,Pre-S2 Peptide (gtD), Recombinant, tagged	100μg

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High Quality Monoclonal Antibody Production Service

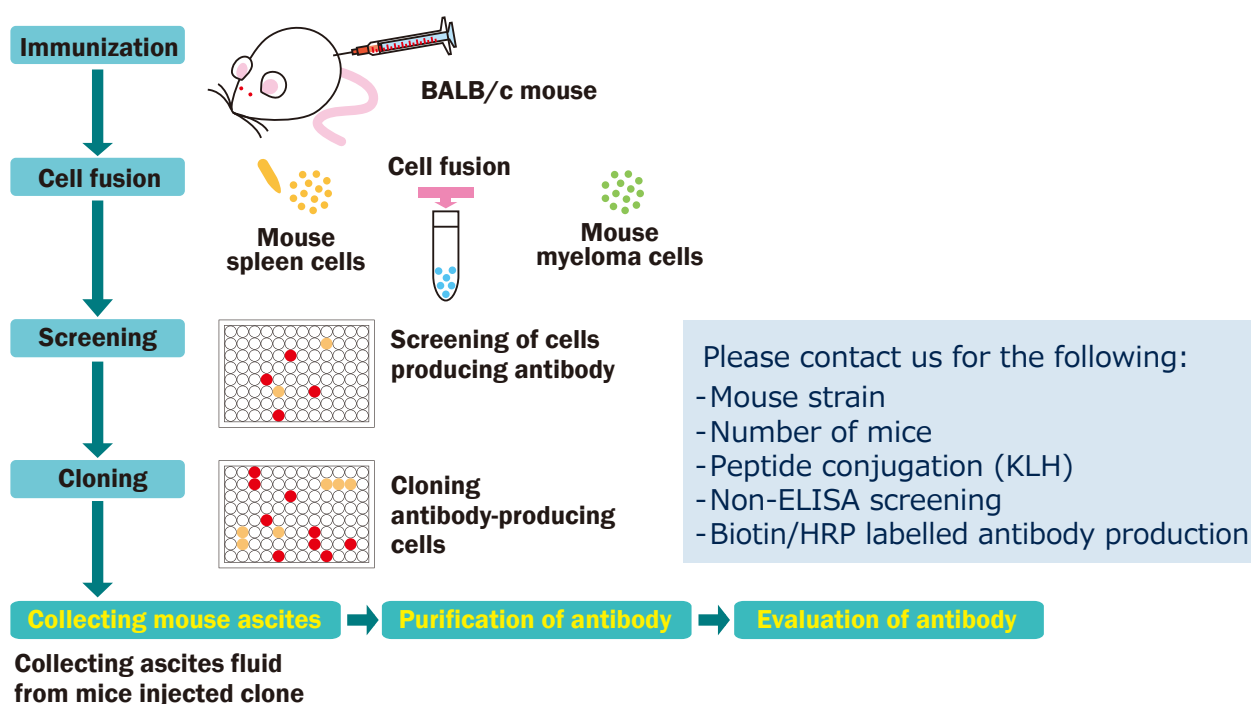
Since our foundation in 1979, we have offered high quality monoclonal antibodies production services for over 1,000 projects. With three decades of antibody production experience and expertise, our services are highly evaluated and widely used.

In order to meet the specific requirements of the customers and to develop a customized strategy to generate the best antibody, features of the antigen as well as the procedures of the service to be performed are discussed in detail prior to the initiation of the service.

Our monoclonal antibody production service is divided into different phases. Upon completion of each phase, the results are reported to the customers. Customers have the option whether to further proceed or to terminate before the initiation of the next phase. This flexible service allows customers to pay for only the phases that are completed.

Basic process

Process	Detail	Period
Immunization	BALB/c mice (3 mice)	1-2 months
Fusion to Screening	Fusion and hybridoma screening (2 times)	Up to 1 month
Cloning	Up to 5 clones with requested specificity will be selected for cloning.	Up to 1 month
Ascites production	2 mice are inoculated with each clone for ascites production.	Up to 2 months
Purification	Acites produced in mice is purified by ummonium sulfate fractionation.	
Evaluation of antibody	Binding Titration	





Tokumen's CDMO Services

Looking for a development/manufacturing partner?

Advantages of Our Contract Development & Manufacturing

- **We are capable of contract manufacturing for IVD products in Japan.**
 - We are licensed to manufacture IVD products in Japan and are ISO 13485 certified.
 - We are able to provide design development of your IVD product and support your application for marketing approval.
- **We are also capable of contract manufacturing in RUO products.**
 - We accept contract manufacturing requests from companies in various industries, such as food product manufacturers.
- **If you have already established a system and have basic information on the product specifications, we can start the manufacturing process from the production transfer stage.**
- **If you don't have an antibody, we can produce one for you.**
- **Process validation is available upon your request.**



Tochigi Plant



Tabletop liquid-filling system



Vacuum freeze dryer

Outsourcing Workflow

1st interview

We will ask you about your requirements, including assay type, sensitivity, target and range of the assay, and kit production.

What you need to bring:

1. Antibody (commercial or homemade)
 2. Antigen (standard)
- *We can provide both 1 and 2 for a fee.

Proposal & estimate

Based on the interview, we first determine if the system construction is possible. If so, we will present you with a construction plan. Otherwise, we will still provide you with a work report.

System construction

Based on the construction plan, we establish assay conditions while examining stability, pH, conformation, sensitivity, etc., and then construct the system.

Kit production

According to the established assay conditions, we produce the kit by preparing the necessary plates and reagents. (You can specify these items yourself.)

Optional services:

- Validation evaluation: Validation of the system (temperature, reaction time, narrowing substances, etc.) is available.
- System optimization: Based on the construction plan, we conduct further study to enhance sensitivity and reaction conditions.



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New product



10.07.2025

Anti-Viral Efficacy ELISA Kit

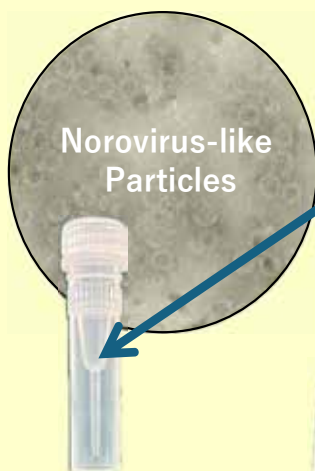
– Norovirus-like Particles –

This kit enables straightforward and cost-effective evaluation of antiviral products and materials. This is expected to significantly accelerate your product development timeline.

Product Features

- ◆ Use of artificial norovirus-like particles.
 - A practical inactivation test as an alternative to feline calicivirus.
- ◆ This is a simpler test method than the culture method.
 - Measuring the concentration of intact norovirus-like particles using ELISA.
- ◆ Measure reduction up to 4-log.
 - A 99.99% reduction rate can be measured.
- ◆ High throughput capability.
 - Ninety-six samples can be analyzed in approximately 3 hours.

Kit components Introduction



This standard sample contains approximately 1.0×10^{13} VLPs/ml Norovirus-like particles for positive controls and test samples.

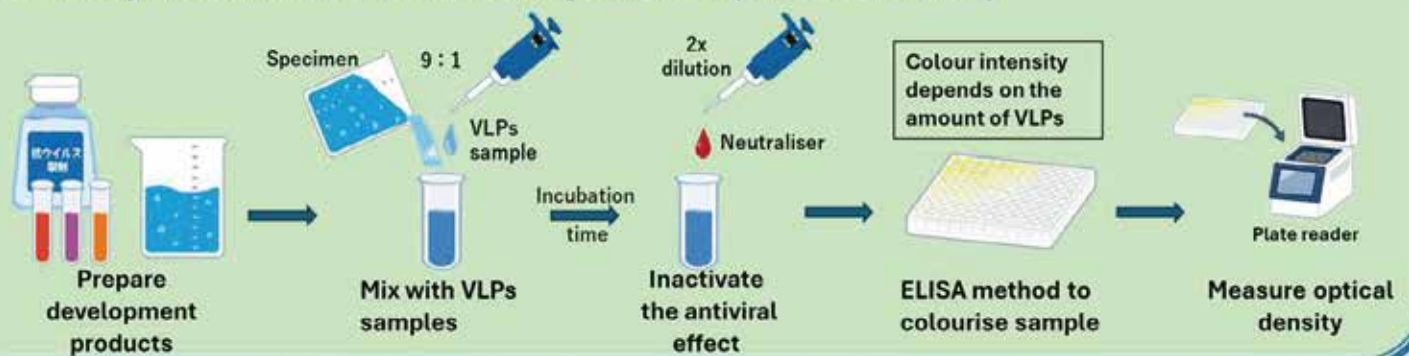
***Not subject to the Cartagena Protocol.
It is non-replicating and non-infectious.**



Antibody-Coated Microplate
Ninety-six Immobilized ELISA Plate 96 tests per kit. The plate has a structure that allows separation by column (8 wells).



Efficacy assessment of antiviral products (TIME KILL Test)



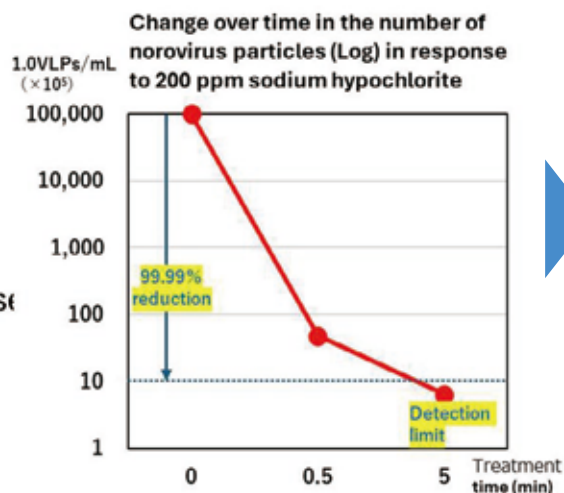
Assay example using this kit in accordance with ASTM E1052-20

Measurement of norovirus-like particles by this kit after the treatment with 200 ppm sodium hypochlorite.

*Company A's sodium hypochlorite product was adjusted to 200 ppm.

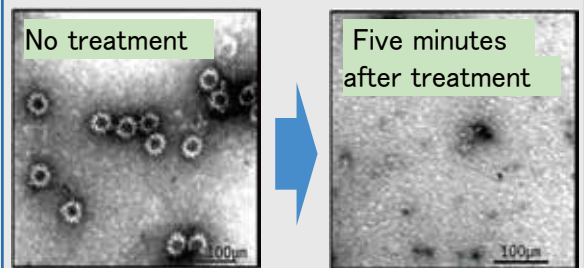
【 Test Results 】

Upon addition of the test sample, norovirus-like particles showed a 3-log decrease after 30 seconds and a 4-log decrease after 5 minutes.



【 Observation Results 】

The breakdown of norovirus-like particles was observed using a transmission electron microscope.



After 5 minutes of action time, the waveform of particle size smaller than VLPs was generated when measured by DLS, and the waveform of VLPs was lost.

Product Specifications

Measuring range Approximate value:

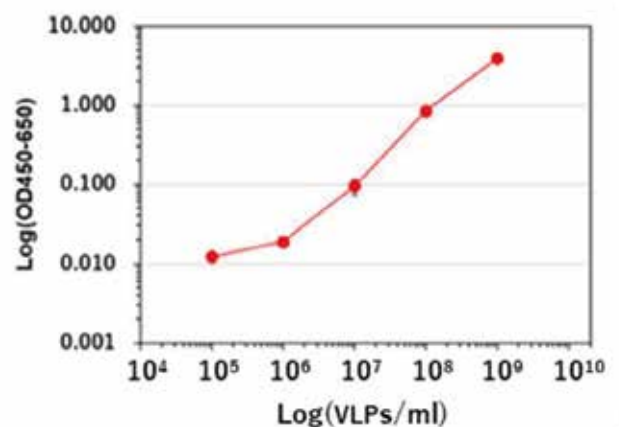
$1 \times 10^6 \sim 1 \times 10^9$ VLPs/ml

*For verification of 10^{10} VLPs/ml or more, dilute the standard sample.

Kit components :

Antibody-Coated Microplate /
Wash Concentrate (20X) /
Sample Diluent / Labeled Antibody Solution /
Substrate Solution / Stop Solution /
Standard Sample (Capable of making 1ml
of 2×10^{11} VLPs/ml)

Calibration curve



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Tochigi No.1 Plant



Tochigi No.2 Plant



Utsunomiya Office