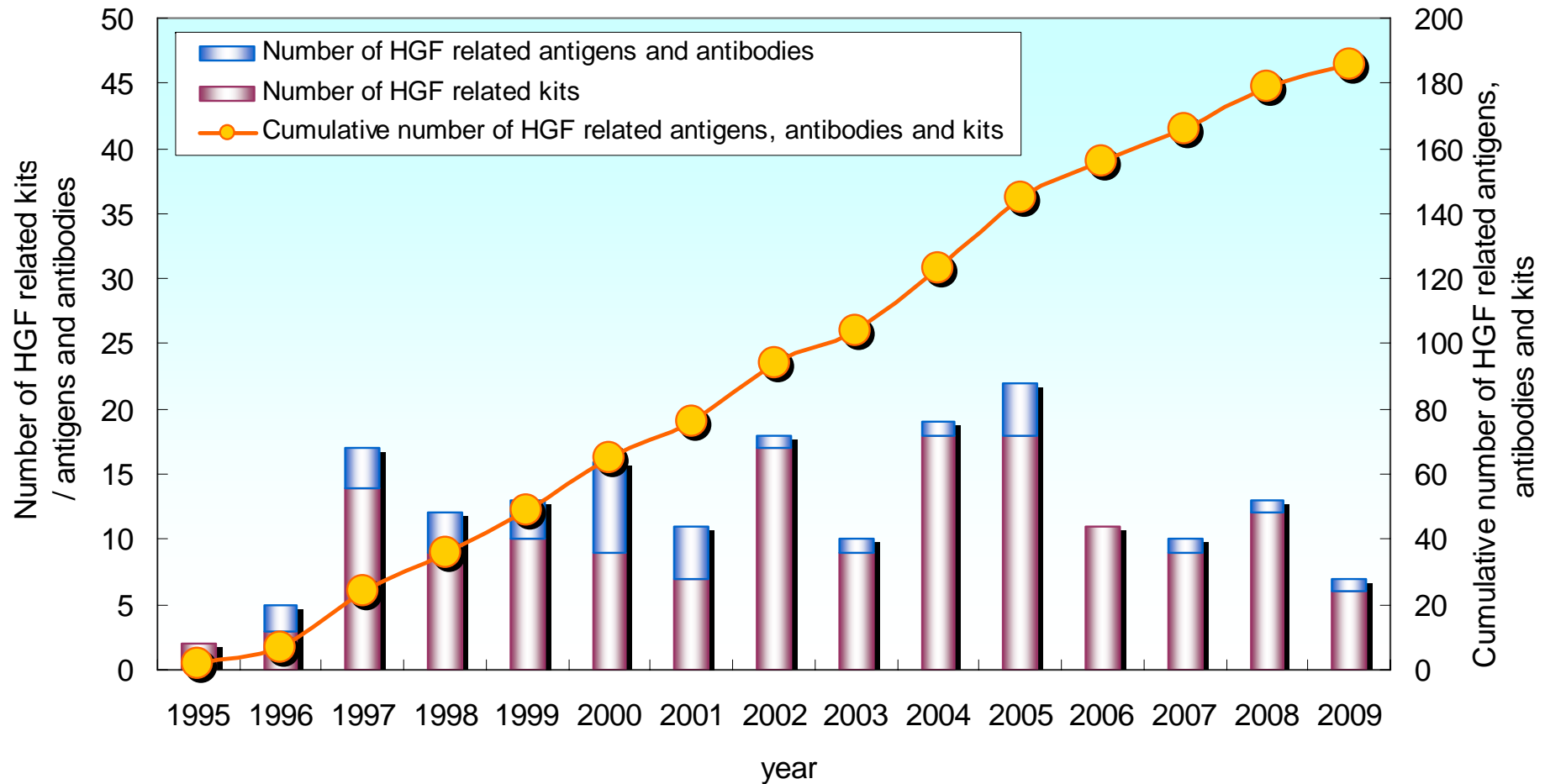


Trend of the papers related to our HGF products

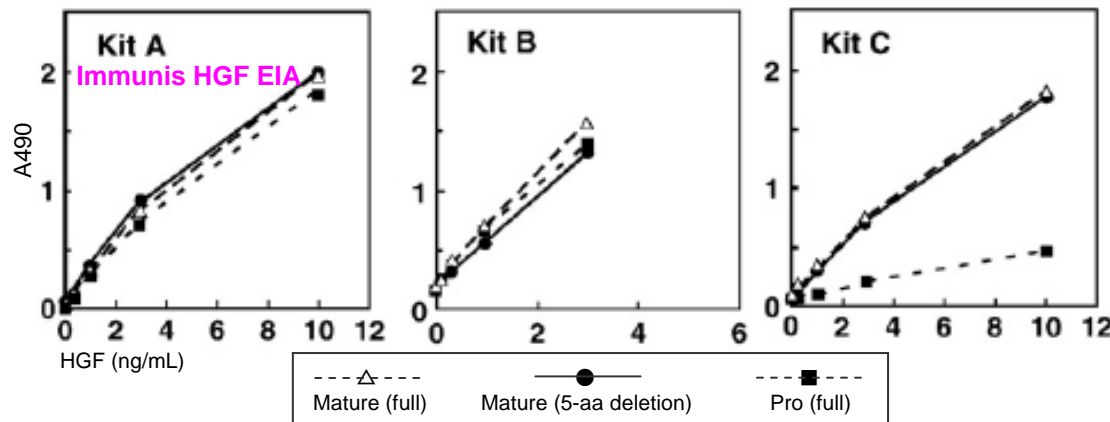


Immunis HGF EIA (for Human HGF)

- Antibodies specific to HGF alpha chain are used for the kit.
- You can determinate HGF at high sensitivity. : standard curve range is 0.1ng/mL-10ng/mL
- This kit reacts with both Pro HGF(single chain) and Mature HGF(double chain).
- This kit does not react with degraded HGF.

✓ Different reactivity of ELISA kits for HGF has reported.

Standard curves for each kit



Immunis HGF EIA reacts with both Pro HGF and Mature HGF, and also reacts with full length and 5-aa deletion type as same.

Change in plasma HGF concentrations following administration of HGF to rats. (ng/mL; valuas are the means ± SD)

kit	HGF concentration at 5min after i.v. admin	HGF concentration at 4h after i.v. admin
A	481.3 ± 17.8	10.3 ± 0.3
B	484.1 ± 18.5	306.1 ± 16.0
C	428.5 ± 11.1	6.6 ± 0.4

Immunis HGF EIA does not react with degraded HGF.

(Clinica Chimica Acta **402** : 42-46, 2009.)

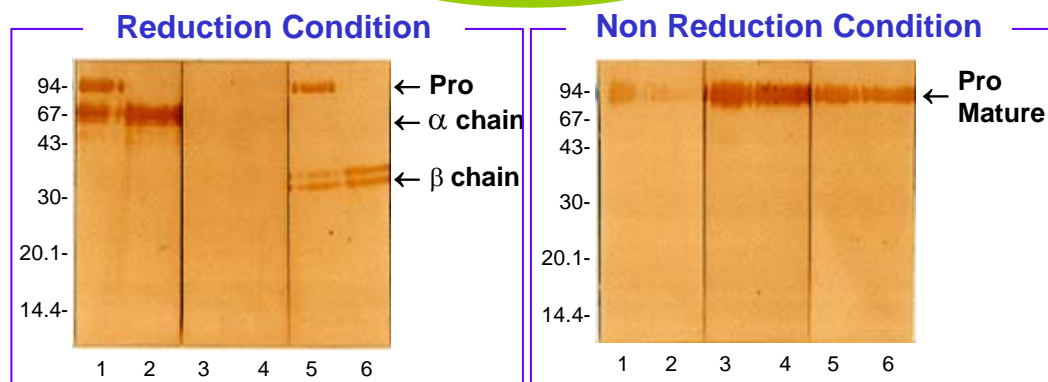
You can find details of **HGF EIA and HGF related products** in our website, at the following URL.
<http://www.tokumen.co.jp/english/products/hgf.html>

Monoclonal Antibodies Against Human HGF

Code No.	Product	Specificity	Clone	Ig class	Application
2ACKHH1	Monoclonal Antibody Against Human HGF (alpha chain)	α chain	T6912	IgG1	EIA WB IHC*
2ACKHH2	Monoclonal Antibody Against Human HGF (reduced alpha chain)	α chain	K3121	IgG1	EIA WB
2ACKHH3	Monoclonal Antibody Against Human HGF (beta chain)	β chain	T7156	IgG1	EIA WB IP

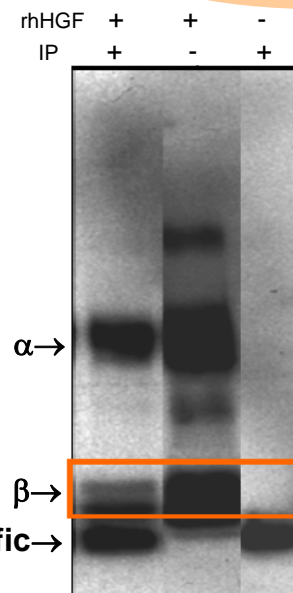
* frozen section only

Western Blot

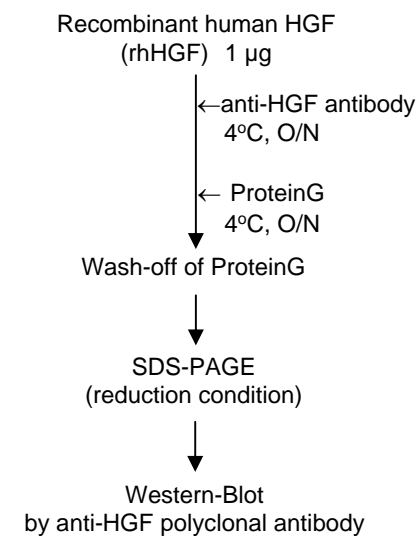


Lane No.	HGF	antibody
1	Pro + Mature HGF	Hyb-K3121
2	Mature HGF	
3	Pro + Mature HGF	Hyb-T6912
4	Mature HGF	
5	Pro + Mature HGF	Hyb-T7156
6	Mature HGF	

Hyb-T7156 Immunoprecipitation



Method



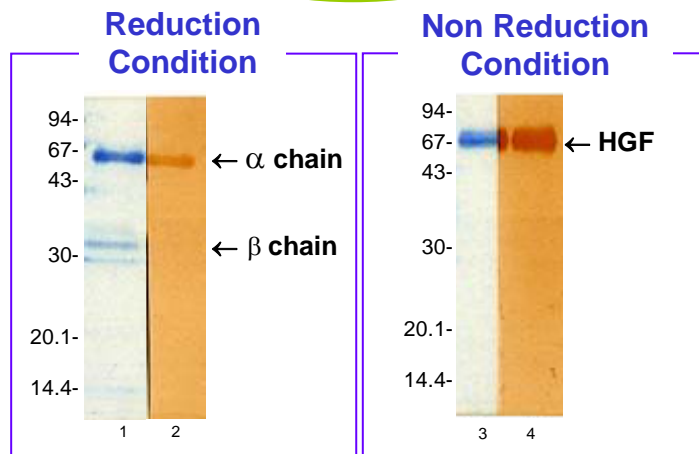
You can find details of [cytokine related products](http://www.tokumen.co.jp/english/products/ab.html#cyto_ab) in our website, at the following URL.

http://www.tokumen.co.jp/english/products/ab.html#cyto_ab

Monoclonal Antibody Against Rat HGF

Code No.	Product	Specificity	Clone	Ig class	Application
2ACKRH1	Monoclonal Antibody Against Rat HGF (alpha chain)	α chain	T6942	IgG1	EIA WB
1E21	Polyclonal Antibody Against Rat HGF	α chain β chain	Source : rabbit		IHC

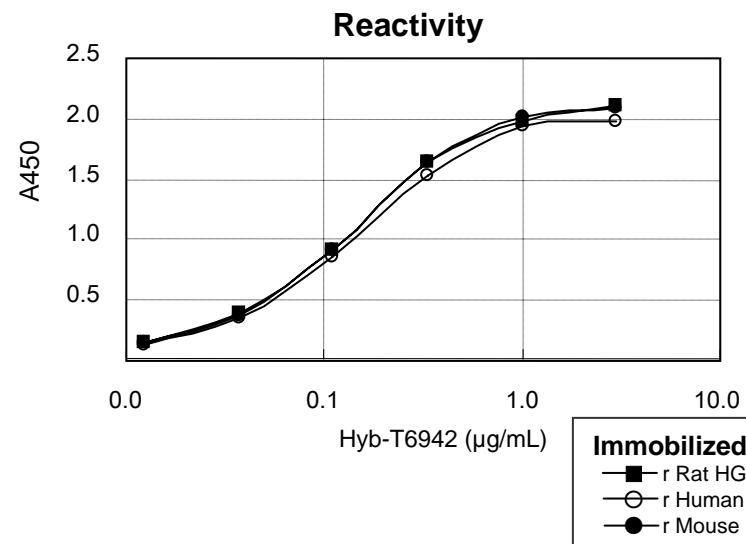
Hyb-T6942 Western Blot



Lane No.	HGF	
1	Rat HGF reduced	amid black
2		WB : Hyb-T6942
3	Rat HGF non-reduced	amid black
4		WB : Hyb-T6942

Hyb-T6942 Reactivity

Monoclonal Antibody Against Rat HGF cross-reacts with human HGF and mouse HGF.



You can find details of [cytokine related products](http://www.tokumen.co.jp/english/products/ab.html#cyto_ab) in our website, at the following URL.
http://www.tokumen.co.jp/english/products/ab.html#cyto_ab

Other HGF Related Products

- EIA



- Rat HGF EIA

- Mouse HGF EIA

- for extraction of HGF from the tissues

- HGF Extraction Reagent (for use with Immunis HGF EIA)

- HGF Extraction Buffer for Mouse & Rat HGF

- Recombinant HGF

- Recombinant human HGF

- Recombinant rat HGF

You can find details of **HGF EIA and HGF related products** in our website, at the following URL.
<http://www.tokumen.co.jp/english/products/hgf.html>

《Reference of HGF-1》

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|----|--|---------------------------------------|
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NK4 |
| 2. | Fukuda T, Ichimura E, Shinozaki T, et al : Coexpression of HGF and c-Met/HGF receptor in human bone and soft tissue tumors. Pathology International 48 : 757-762, 1998. | Immunis HGF EIA |
| 3. | Maehara N, Nagai E, Mizumoto K, et al : Gene transduction of NK4, HGF antagonist, inhibits in vitro invasion and in vivo growth of human pancreatic cancer. Clinical & Experimental Metastasis 19 (5) : 417-426, 2002. | Immunis HGF EIA
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| 4. | Tanaka T, Shimura H, Sasaki T, et al : Gallbladder cancer treatment using adenovirus expressing the HGF/NK4 gene in a peritoneal implantation model. Cancer Gene Therapy 11 : 431-440, 2004. | Immunis HGF EIA |
| 5. | Fukuta k, Adachi E, Matsumoto K, et al : Different reactivities of enzyme-linked immunosorbent assays for hepatocyte growth factor. Clinica Chimica Acta 402 : 42-46, 2009. | Immunis HGF EIA |
| 6. | Matsuno M, Shiota G, Umeki K, et al : Induction of plasma hepatocyte growth factor in acute colitis of mice. Inflammation Research 46 : 166-167, 1997. | Rat HGF EIA |
| 7. | Oyagi S, Hirose M, Kojima M : Therapeutic effect of transplanting HGF-treated bone marrow mesenchymal cells into CCl ₄ -injured rats. Journal of Hepatology 44 : 742-748, 2006. | Rat HGF EIA |
| 8. | Yamada A, Matsumoto K, Iwanari H, et al : Rapid and sensitive enzyme-linked immunosorbent assay for measurement of HGF in rat and human tissues. Biomedical Research 16 (2) : 105-114, 1995. | Rat HGF EIA
Immunis HGF EIA |
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Recombinant rat
HGF |

《Reference of HGF-2》

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|---|--|
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PcAb rat : IHC
McAb human Hyb-T6942 : WB |
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PcAb rat : IHC |
| 12. Takeuchi E, Nimura Y, Nagino M, et al : Human hepatocyte growth factor in bile: An indicator of posthepatectomy liver function in patients with biliary tract carcinoma. Hepatology 26 : 1092-1099, 1997. | Recombinant human HGF
McAb human |
| 13. Yamashita J, Ogawa M, Nakano S, et al : High levels of hepatocyte growth factor/scatter factor in diffuse-type bronchioloalveolar cell carcinoma. Cancer 83 : 2091-2098, 1998. | McAb human : IHC |