

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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