

Hepatitis B virus related Antigens

Beacle introduces hepatitis B virus-related products developed through research for over 15 years.

Variations of Antigens

● Particulate antigens

HBsAg-L :

HB surface antigen composed of 100% full length L-protein displaying S, Pre-S1 and Pre-S2 regions. The antigen is also called "large S antigen". The product is recombinant antigen made in yeast cells.

Genotypes of A, B, C and D are available.

HBsAg-L-ST type :

HB surface antigen composed of full length L-proteins displaying S, Pre-S1 and Pre-S2 regions. S region is introduced two mutations that is known in naturally occurring escape mutants and not recognized by antibodies against "a" determinant. The product is recombinant antigen made in yeast cells. Genotype is C.

HBsAg-M:

HB surface antigen composed of 100% M proteins displaying S and Pre-S2 regions. The product is recombinant antigen made in yeast cells. Genotype is C.

HBsAg-XT:

HB surface antigen composed of surface proteins lacking Pre-S1 and Pre-S2 regions from L protein. This antigen shows very high S antigen activity. The product is recombinant antigen made in yeast cells. Genotype is C.

HBsAg-S:

HB surface antigen composed of S proteins. The antigen is also called "small S antigen". Two subtypes, **adr(genotype C) and adw(genotype A) are available.** The product is recombinant antigen made in yeast cells.

Purified HBsAg from human serum:

HBsAg from human serum. The antigen generally composed of S and M proteins with different sugar chain modifications. Subtypes, **adw, ayw, adr and ayr** are available. The products are heat-treated to reduce infection risk.

C antigen:

Core antigen of HBV, also called HBcAg. The antigen forms particles composed of full length of C protein. The product is recombinant antigen made in E. coli. Genotype is C.

● Peptide antigens

Pre-S1 peptides:

Recombinant peptide antigen made in E. coli. **Genotypes of A, B, C and D, with tagged peptides and non-tagged products are available.**

Pre-S2 peptides:

Recombinant peptide antigen made in E. coli. **Genotypes of A, B, C and D, with tagged peptides and non-tagged products are available.**

● Others

We also manufacture various antigens of your choice, construct ELISA, etc by contract service.

Contact



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List of hepatitis B virus related antigens

Category	product #	Product name	content	
Particle antigens	L antigen			
		BCL-AGA-01	HBsAg L-protein genotype A, recombinant	inquiry
		BCL-AGB-01	HBsAg L-protein genotype B, recombinant	inquiry
		BCL-AGC-01	HBsAg L-protein genotype C, recombinant	100 μ g
		BCL-AGD-01	HBsAg L-protein genotype D, recombinant	inquiry
		BCL-AGS-02	HBsAg L-protein ST type, recombinant	100 μ g
	M antigen			
		BCL-AGM-01	HBsAg M-protein genotype C, recombinant	inquiry
	S antigen			
		BCL-AGX-02	HBsAg-XT, recombinant	100 μ g
		BCL-AGSC-01	HBsAg S-protein adr, recombinant	inquiry
		BCL-AGSA-01	HBsAg S-protein adw, recombinant	inquiry
		BCL-HSYW-01	Purified HBsAg from human serum, ayw heat inactivated	inquiry
		BCL-HSDW-01	Purified HBsAg from human serum, adw heat inactivated	inquiry
		BCL-HSDR-01	Purified HBsAg from human serum, adr heat inactivated	inquiry
		BCL-HSYR-01	Purified HBsAg from human serum, ayr heat inactivated	inquiry
	Pre-S peptides	Pre-S1 peptides		
		BCL-AGS1A-01	HBsAg,Pre-S1 peptide genotype A,noTag	100 μ g
		BCL-AGS1B-01	HBsAg,Pre-S1 peptide genotype B,noTag	100 μ g
		BCL-AGS1C-02	HBsAg,Pre-S1 peptide genotype C,noTag	100 μ g
		BCL-AGS1D-01	HBsAg,Pre-S1 peptide genotype D,noTag	100 μ g
		BCL-AGS1A-21	HBsAg,Pre-S1 peptide genotype A,Tagged	100 μ g
		BCL-AGS1B-21	HBsAg,Pre-S1 peptide genotype B,Tagged	100 μ g
		BCL-AGS1C-22	HBsAg,Pre-S1 peptide genotype C,Tagged	100 μ g
		BCL-AGS1D-21	HBsAg,Pre-S1 peptide genotype D,Tagged	100 μ g
Pre-S2 peptides				
		BCL-AGS2A-01	HBsAg,Pre-S1 peptide genotype A,noTag	100 μ g
		BCL-AGS2B-01	HBsAg,Pre-S1 peptide genotype B,noTag	100 μ g
		BCL-AGS2C-02	HBsAg,Pre-S1 peptide genotype C,noTag	100 μ g
		BCL-AGS2D-01	HBsAg,Pre-S1 peptide genotype D,noTag	100 μ g
		BCL-AGS2A-21	HBsAg,Pre-S1 peptide genotype A,Tagged	100 μ g
	BCL-AGS2B-21	HBsAg,Pre-S1 peptide genotype B,Tagged	100 μ g	
	BCL-AGS2C-22	HBsAg,Pre-S1 peptide genotype C,Tagged	100 μ g	
	BCL-AGS2D-21	HBsAg,Pre-S1 peptide genotype D,Tagged	100 μ g	
Core antigen	Core antigen			
		BCL-HBC-01	Hepatitis B virus Core antigen, recombinant	100 μ g

All products are subject to volume discount.

Products indicated "inquiry" are made-to-order. Please ask prices and leading time (normally 3 to 4 weeks).

Purchase of HBsAg Lproteins of genotypes A, B and D may require a agreement with us.

Please visit our website(<http://www.beacle.com>) and check data sheets to get more detailed information of product.