

# Recombinant Hepatitis B virus HBsAg L-protein genotype C Protein

**Cat. No.** HBsAg L-14V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Hepatitis B virus HBsAg L-protein genotype C Protein was expressed in <i>Saccharomyces cerevisiae</i> . Particle (L-protein inserted in lipid bilayer) with mean particle size of about 70nm by dynamic light scattering method (about 20 nm by electronic microscope)
<b>Species</b>	HBV
<b>Source</b>	<i>S.Cerevisiae</i>
<b>Description</b>	<p>Hepatitis B virus (HBV) expresses three types of surface antigens, i.e. S-, M-, and L-protein. L-protein is composed of S-, Pre-S2, and Pre-S1 region. The deletion of Pre-S1 region forms M-protein and further deletion of Pre-S2 region results in S-protein. Most of commercially available HBsAg is composed of either S-protein alone or a mixture of Sand M-proteins. The Pre-S1 region is known to be the hepatic cell recognition site and to be important in the HBV infection.</p> <p>The present product, HBsAg, L-protein (L antigen) is a particulate antigen composed of L protein, and can be used as a tool to investigate the mechanism of HBV infection, ELISA and others. Four major genotypes of products are available.</p>
<b>Form</b>	Lyophilized white powder.
<b>Purity</b>	over 95%
<b>Usage</b>	HBV mimetics, Standard antigen for ELISA, western, and others.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Storage</b>	20 centigrade(3 years guarantee after dispatch).
<b>Reconstitution</b>	For 100 g vial, added 500 μ of water to the vial that makes a antigen solution at 0.2 mg/mL in PBS (137 mM NaCl, 8.1 mM Na <sub>2</sub> HPO <sub>4</sub> ·12H <sub>2</sub> O, 2.68 mM KCl, 1.47 mM KH <sub>2</sub> PO <sub>4</sub> , pH 7.2 - 7.4) containing 1% sucrose.
<b>Warning</b>	L protein may be adsorbed on plastic tubes especially low concentration (below 100ng/mL). Please use protein low bind tubes at lower concentration.

## GENE INFORMATION

<b>Gene Name</b>	NEWENTRY Record to support submission of GeneRIFs for a gene not in Gene (Human hepatitis B virus; hepatitis B virus (HBV); hepatitis B virus HBV; hepatitis B virus, HBV; human hepatitis B virus HBV). [ Hepatitis B virus ]
<b>Official Symbol</b>	NEWENTRY
<b>Synonyms</b>	NEWENTRY
<b>Gene ID</b>	2828293
<b>SDS-PAGE</b>	HBsAg, L-protein of genotype A to D were subjected for SDS-PAGE (Silver staining) at 100ng.

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