

Recombinant Hepatitis B virus HBsAg L-protein genotype C Protein

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

SPECIFICATION

Product Overview	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)
Species	HBV
Source	<i>S.Cerevisiae</i>
Description	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 S and M-proteins. The Pre-S1 region is known to be the hepatic cell recognition site and to be important in the HBV infection. 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.
Form	Lyophilized white powder.
Purity	over 95%
Usage	HBV mimetics, Standard antigen for ELISA, western, and others.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage	20 centigrade(3 years guarantee after dispatch).
Reconstitution	For 100 µg vial, added 500 µl of water to the vial that makes a antigen solution at 0.2 mg/mL in PBS (137 mM NaCl, 8.1 mM Na ₂ HPO ₄ ·12H ₂ O, 2.68 mM KCl, 1.47 mM KH ₂ PO ₄ , pH 7.2 - 7.4) containing 1% sucrose.
Warning	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	
Gene Name	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]
Official Symbol	NEWENTRY
Synonyms	NEWENTRY
Gene ID	2828293
SDS-PAGE	HBsAg, L-protein of genotype A to D were subjected for SDS-PAGE (Silver staining) at 100ng.