

Recombinant Hepatitis B virus HBsAg M Protein

Cat. No. HBsAg M-15V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Hepatitis B virus HBsAg M Protein was expressed in <i>Saccharomyces cerevisiae</i> . Particle (M-protein inserted in lipid bilayer) with mean particle size of about 65 nm by dynamic light scattering method (about 20 nm by electronic microscope).
Species	HBV
Source	<i>S.Cerevisiae</i>
Description	<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 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.</p> <p>The present product, HBsAg, M-protein (M antigen) is a particulate antigen composed of M protein, and can be used as a tool to investigate the mechanism of HBV infection, ELISA and others. The product is genotypes C.</p>
Form	Lyophilized white powder.
Purity	over 95%
Usage	Standard antigen for ELISA, western, and others
Storage	20 centigrade(3 years guarantee after dispatch).

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Reconstitution For 100 µg vial, added 500 µL of water to the vial that makes an antigen solution at 0.2 mg/mL in PBS (137 mM NaCl, 8.1 mM Na₂HPO₄·12H₂O, 2.68 mM KCl, 1.47 mM KH₂PO₄, pH 7.2 - 7.4) containing 1% sucrose.

Warning M protein may be adsorbed on plastic tubes especially at low concentration (below 100 ng/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, M-protein was subjected for SDS-PAGE (Silver staining) at 100 ng.

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