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 Saccharomyces cerevisiae. 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	S.Cerevisiae
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 Sand 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, 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.
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 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 Na2HPO412H2O, 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 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, M-protein was subjected for SDS-PAGE (Silver staining) at 100ng.

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