

Recombinant Hepatitis B virus HBsAg S adw Protein

Cat. No. HBsAg S adw-17V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Hepatitis B virus HBsAg S adw Protein was expressed in <i>Saccharomyces cerevisiae</i> . Particle (S-protein inserted in lipid bilayer) with mean particle size of about 45nm by dynamic light scattering method.
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 Sand M-proteins. The Pre-S1 region is known to be the hepatic cell recognition site and to be important in the HBV infection. HBsAg S-protein is a particulate antigen composed of S-protein, and widely used as active substance of HBV vaccine, and as a important diagnostic marker of HBV infection. The present products, HBsAg S-protein can be used as a tool to investigate the mechanism of HBV infection, immunoassays and others. Two subtypes, adr and adw are available.
Form	liquid form (10mM sodium phosphate, 140mM NaCl, pH6.4, 0.1% sodium azide).
Purity	over 95%
Usage	Standard antigen for ELISA, western, and others

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Storage	4 centigrade
Warning	The antigen 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 adw 100ng

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