

# Recombinant Hepatitis B Surface Antigen, HBsAg-subtype Ad

Cat. No. S-011 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Hepatitis B Surface Antigen, HBsAg-subtype Ad full length or partial length was expressed.
<b>Source</b>	Insect Cells
<b>Antigen Description</b>	Infectious Diseases
<b>Description</b>	The large envelope protein exists in two topological conformations, one which is termed 'external' or Le-HBsAg and the other 'internal' or Li-HBsAg. In its external conformation the protein attaches the virus to cell receptors and thereby initiating infection. This interaction determines the species specificity and liver tropism. This attachment induces virion internalization predominantly through caveolin-mediated endocytosis. The large envelope protein also assures fusion between virion membrane and endosomal membrane. In its internal conformation the protein plays a role in virion morphogenesis and mediates the contact with the nucleocapsid like a matrix protein.
<b>Form</b>	Liquid. 20 mM Phosphate Buffer Saline, pH 7.4.
<b>Purity</b>	>90%
<b>Applications</b>	ELISA
<b>Notes</b>	This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of

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the material, including its disposal, in accordance with all regulations.

**Storage** 2-8 centigrade.Do not freeze.

## GENE INFORMATION

**Gene Name** S large envelope protein;middle envelope protein;small envelope protein [ Hepatitis B virus ]

**Official Symbol** S

**Synonyms** HBVgp2

**Gene ID** 944569

**Protein Refseq** YP\_009173869

**UniProt ID** P03140

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