

## Recombinant HBV Surface Antigen (adr)

### Product Information

Product Name	Cat#	Size
Recombinant HBV Surface Antigen (adr)	92543ES20	20 µg
	92543ES60	100 µg
	92543ES76	500 µg

### Product Description

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.

### Product Properties

<b>Synonyms</b>	HBsAgadr; Hepatitis B virus surface antigen
<b>Source</b>	CHO derived HBsAgadr
<b>Molecular Weight</b>	Approximately 23.0-27.0 kDa on a reducing SDS-PAGE.
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile liquid.
<b>Purity</b>	> 95 % by HPLC analyses.
<b>Biological Activity</b>	The biological activity is determined by ELISA with anti-HBsAg antibodies.
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Sterile Filtered solution containing 20 mM PB,154 mM NaCl.
<b>Concentration</b>	240 µg/mL

### Shipping and Storage

Do not freeze.

The products are shipped with ice pack and can be stored at 2°C to 8°C for 1 year.

3 months, 2 to 8°C under sterile conditions after opening.

## **Cautions**

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.