

**Hepatitis B Virus Receptor Binding Fragment  
Synthetic Peptide  
Catalog # SP2986a****Specification**

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**Hepatitis B Virus Receptor Binding Fragment - Product Information**

Primary Accession [Q81162](#)  
Other Accession [Q998L9](#), [P03140](#), [Q4R1R8](#), [Q76R62](#), [P31868](#)  
Sequence [NH2-PLGFFPDHQLDPAFGANSNNPDWDFNP-COOH](#)

**Hepatitis B Virus Receptor Binding Fragment - Additional Information****Other Names**

Large envelope protein, L glycoprotein, L-HBsAg, LHB, Large S protein, Large surface protein, Major surface antigen, S

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Hepatitis B Virus Receptor Binding Fragment - Protein Information**

**Name** S {ECO:0000255|HAMAP-Rule:MF\_04075}

**Function**

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.

**Cellular Location**

Virion membrane {ECO:0000255|HAMAP- Rule:MF\_04075}

**Hepatitis B Virus Receptor Binding Fragment - Images**