

# Recombinant HBV Surface Antigen Ay Protein

**Cat. No.** HBVAy-137H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | HBV                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>         | E.coli                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>    | Recombinant HBV surface protein Ay expressed in the E.coli Expression system. Strongly binds to HBV converted human serum antibodies as determined by ELISA and Western ELISA. Protein is suitable for lateral flow diagnostic assays.                                                                                                                         |
| <b>Form</b>           | Aqueous Solution                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b> | 24 kD                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>         | > 95 % by SDS-PAGE                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>   | Diagnostics;<br>Immunization;<br>T-Cell Activation.                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>          | Recommended concentrations for use are approximate values. A dose dependent response assay should be performed to determine the optimal concentration for use in specific applications.<br><br>ELISA and Western ELISA require 0.1-1.0g protein depending on the nature and affinity of the secondary detection reagent. Studies with HBV converted human sera |

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are performed in 1:200 to 1:10,000 antibody dilution range.

**Stability**

At least 12 months at -75 centigrade.

**Storage**

Store at -75 centigrade.

**Dilutions**

10mMNa-PO<sub>4</sub>, 20mM NaCl, pH 7, 50% Glycerol

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