



Recombinant Hepatitis B virus Surface Antigen preS1 (DAG2756)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

The E.Coli derived Recombinant Hepatitis B Surface Antigen preS1 is a single non-glycosylated polypeptide chain containing 119 amino acids and having a molecular weight of 12.6 kDa.

Species

HBV

Purity

Greater than 97.0% as determined by RP-HPLC and SDS-PAGE.

Conjugate

Unconjugated

Molecular Weight

12.6 kDa

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

Format

Lyophilized

Size

10 µg, 50 µg, 1 mg

Buffer

Lyophilized from 0.2µm filtered (1mg/ml) solution in 20mM PB, pH 7.4, and 50mM NaCl.

Preservative

None

Storage

Stock solutions should be apportioned into working aliquots and stored at <-20°C.

BACKGROUND

Introduction

Hepatitis B virus (HBV) is a human pathogen, causing serious liver disease. The HBV surface

protein antigens (HBsAg) are comprised of three carboxyl co terminal HBs proteins termed large (LHBs), middle (MHBs) and small (SHBs, also called major) protein. LHBs and MHBs also share the highly hydrophobic, repetitive, membrane spanning S domain. In addition, LHBs has a 119 amino acid region called preS1.

Keywords HBsAg preS1; HBsAg; HBV surface protein

GENE INFORMATION

Protein Refseq MGGWSSKPRQGMGTNLSPNPLGFFPDHQLDPAFGANSNNPDWDFNPNKDHWPEAHQVGAGAFGPGP
