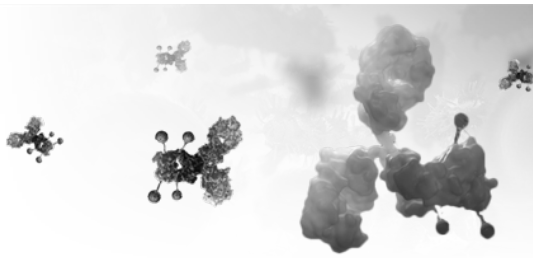

Recombinant HBV Surface Antigen (full length) (subtype ayw) (DAG-P2844)

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

PRODUCT INFORMATION

Product Overview	Hepatitis B Virus Surface Antigen (Ayw) full length protein
Antigen Description	HBV belongs to the Hepadnaviridae family of viruses. Its genome consists of partially double stranded circular DNA. The DNA is enclosed in a nucleocapsid, or core antigen (HBcAg), which is surrounded by a spherical envelope (surface antigen or HBsAg). The core antigen shares its sequences with the e antigen (HBeAg) but no cross reactivity between the two proteins has been observed. The HBV genome also encodes a DNA polymerase that also acts as a reverse transcriptase. Hepatitis B infection is normally diagnosed from serological tests that detect HBsAg but as the disease progresses this antigen may no longer be present in the blood and tests for HBcAg are used. If HBsAg can be detected in the blood for longer than six months, chronic hepatitis B is diagnosed. The antigenic determinant of the protein moiety of the HBsAg determines specific characteristics of different serotypes and provides the basis of immunodetection. HBsAg has antigenic heterogeneity, specifically, two pairs of sub specific determinants, d/y and w/r allow the following combinations: adw, ayw, adr, ayr.
Species	HBV
Purity	> 95 % by SDS-PAGE.Purity is greater than 98.0% as determined by SDS-PAGE.
Conjugate	N/A
Applications	SDS-PAGE ELISA
Format	Liquid
Size	0.5 mg
Buffer	50mM PO4 buffer, 20mM NaCl, pH 7.2
Preservative	None

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 0.2M Sodium chloride, 0.05M PBS, pH 7.2

BACKGROUND

Introduction	Hepatitis B virus, abbreviated HBV, is a species of the genus Orthohepadnavirus, which is likewise a part of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B.
Keywords	HBsAg (Ayw); Hepatitis B Virus Surface Antigen

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