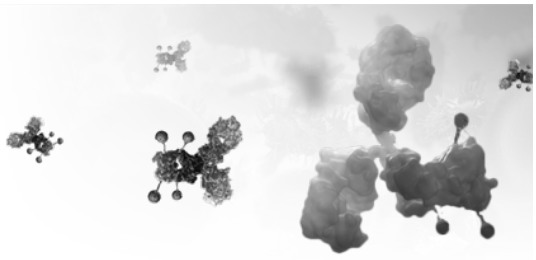

Recombinant HBV Surface Antigen (subtype adw) (DAG2717)

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

PRODUCT INFORMATION

Product Overview	HbsAg adw produced Pichia Pastoris, having a molecular weight of approximately 24. 0 kDa as shown on SDS-PAGE.
Species	HBV
Purity	Greater than 95. 0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE Coomassie staining.
Conjugate	Unconjugated
Applications	HBsAg is suitable for: ELISA (capture and conjugate). ImmunoChromatography (capture and conjugate). Immunogen for monoClonal antibody production.
Format	Sterile Filtered solution containing 20mM Phosphat buffer, 154mM sodium chloride. Sterile Filtered yellowish liquid.
Size	1 mg
Buffer	20mM Phosphate Buffer, 154mM sodium chloride, pH7.1
Preservative	None
Storage	4°C

BACKGROUND

Introduction	Hepatitis B Virus (HBV) infection inducesa disease state characterised by liver damage, inflammation and viralpersistence. Infection also increases the risk of hepatocellular carcinoma.HBV belongs to the Hepadnaviridae family of viruses. Its genome consists ofpartially

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double stranded circular DNA. The DNA is enclosed in anucleocapsid, or core antigen (HBcAg), which is surrounded by a sphericalenvelope (surface antigen or HBsAg). The core antigen shares its sequenceswith the e antigen (HBeAg) but no cross reactivity between the two proteinshas been observed. The HBV genome also encodes a DNA polymerase that alsoacts as a reverse transcriptase.

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