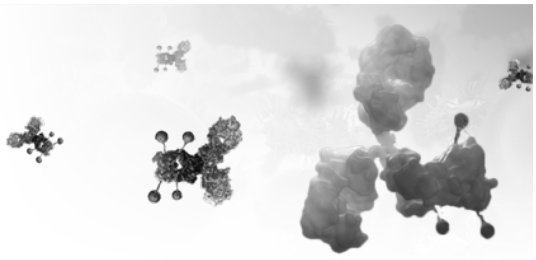

Recombinant HBV Surface Antigen (subtype adw) (DAG3942)

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

PRODUCT INFORMATION

Product Overview	RecombinantHepatitis B Surface Antigen (adw Saccharomyces)
Species	HBV
Purity	Greater than 98% as determined by SDS-PAGE Protein content was measured using Lowry method. Lipid content was measured by total lipid. Carbohydrate content was measured by Anthrone method. Antigen content was measured by ELISA.
Conjugate	Unconjugated
Applications	HBsAg protein was tested in ELISA with anti-HBsAg antibodies
Size	1 mg
Buffer	50mM Tris-HCl, pH 8.0, 200mM NaCl
Preservative	None
Storage	2-8°C short term, -20°C long term

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 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

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as a reverse transcriptase.

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