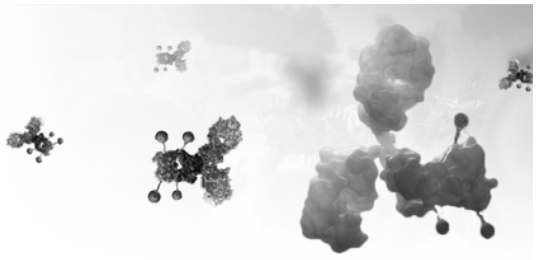

HBV Surface Antigen (subtype adw2, mutation M133L) (DAG-T1046)

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

PRODUCT INFORMATION

Product Overview	Recombinant Hepatitis B surface antigen with replacement of the methionine residue at position 133 by leucine, expressed in Pichia Pastoris.
Species	HBV
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Store at -20°C to -80°C
Ship	Dry ice

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 as a reverse transcriptase.
Keywords	HBsAg; HBV major surface antigen; HBV surface antigen; Hepatitis B Virus major surface antigen; Major surface antigen; S; Hepatitis B Surface Antigen; Hepatitis B Virus Surface Antigen; Hepadnaviridae; Orthohepadnavirus; Hepatitis B virus; HBV

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