



HBV Surface Antigen (subtype ay) (DAG2758T)

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

PRODUCT INFORMATION

Species	HBV
Conjugate	N/A
Applications	Specific methodologies have not been tested using this product.
Format	Liquid
Concentration	1.64 mg/mL
Size	1 mg
Buffer	50mM Phosphate, 150mM NaCl, pH 7.2 – 7.6
Preservative	0.09% NaN ₃
Storage	Short-term, store at 2–8°C. Long-term, store at -20°C. Avoid multiple freeze/thaw cycles

BACKGROUND

Introduction	Hepatitis B Virus (HBV) infection induces a disease state characterised by liver damage, inflammation and viral persistence. Infection also increases the risk of hepatocellular carcinoma. 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 sequence 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.
Keywords	HBsAg; HBV major surface antigen; HBV surface antigen; Hepatitis B Virus major surface antigen; Major surface antigen S