



# Recombinant HBV Surface Antigen (Capture) (DAG-WT529)

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

## PRODUCT INFORMATION

Conjugate	Unconjugated
Applications	ELISA, LF, CLIA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	50mM Tris-HCl, 150mM NaCl, pH 8.0
Preservative	None
Storage	Short Term 2-8°C Long Term: -20°C

## 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 an 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 protein has been observed. The HBV genome also encodes a DNA polymerase that also acts as a reverse transcriptase.
Keywords	Hepatitis B Virus; HBV; Surface protein