



Anti-HBV Surface Antigen Polyclonal antibody (DPAB0109)

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

PRODUCT INFORMATION

Specificity	HBsAg specific for ad/ay. Does not react with human serum proteins.
Target	HBV Surface Antigen
Immunogen	Highly purified ad/ay antigen
Source/Host	Horse
Species Reactivity	HBV
Purification	Immunoaffinity chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA, blotting, and other immunoassays. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Affinity Purified, Liquid
Concentration	1mg/ml (OD280nm, E0.1% = 1.4)
Size	1 mg
Buffer	PBS, pH 7.2
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°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 a 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 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; Hepatitis B Surface Antigen; Hepatitis B Virus Surface Antigen; Hepatitis B virus; Orthohepadnavirus; Hepadnaviridae