Recombinant Hepatitis B Virus major surface antigen adw Mutant Q-129-L

DAG4720 HBV

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Recombinant Hepatitis B Virus major surface antigen adw Mutant Q-129-L
Antigen Description	HBsAg is the surface antigen of the Hepatitis-B-Virus (HBV). It indicates current Hepatitis B infection. The capsid of a virus has different surface proteins from the rest of the virus which act as antigens. These antigens are recognized by antibody prote
Description	Recombinant HBVsAg adw antigen was mutated by replacing the Glutamine residue at position 129 with Leucine. HBsAg is the surface antigen of the Hepatitis-B-Virus (HBV). The capsid of a virus has different surface proteins from the rest of the virus. The a
Source	Pichia pastoris
Species	HBV
Specificity	Immunoreactive with sera of HBV-infected individuals.
Form	Liquid. Supplied in 20mM Na2HPO4, 0.03M NaCl and 0.001% Thimerosal pH 7.4.
Purity	>85% by SDS-PAGE
Applications	Antigen in ELISA and Western blots, excellent antigen for detection of HBV with minimal specificity problems.

PACKAGING

Storage	Quality guaranteed for 12 months Store at 4°C

BACKGROUND

Introduction	Hepatitis B Virus (HBV) infection induces a disease state which manifests itself in a variety of ways, characterized by the extent of liver damage, inflammation and viral persistence. HBV infection is also associated with a 100 fold increased risk of hepatocellular carcinoma and currently infects over 250 million people worldwide. HBV has a partially double stranded 3.2 kilobase DNA genome which contains four open reading frames. One of these encodes a 154 amino acid protein called the HBx protein. HBx has been shown to be a transcriptional transactivator of both viral and cellular promoters. Lacking a DNA binding domain and nuclear localization signal, HBx is believed to exert transcriptional activity through protein protein interaction.
Keywords	HBsAg; Hep B surface antigen; Hepatitis B Virus major surface antigen; Hepatitis B virus S antigen; Large envelope protein; Large surface protein; LHB; Major surface antigen; Hepadnaviridae; Orthohepadnavirus

REFERENCES

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