

Hepatitis B Virus Surface Antigen Monoclonal Antibodies

ORDERING INFORMATION

Catalog Nos.: 18601 and 18602

Format: 100ug Protein G-purified antibody in PBS, pH 7.4, 0.09% sodium azide

BACKGROUND

Hepatitis B virus is a double-stranded DNA virus and one of the smallest enveloped animal viruses. The virus particle consists of an outer lipid envelope and an icosahedral nucleocapsid core composed of protein. The nucleocapsid encloses the viral DNA and a DNA polymerase that has reverse transcriptase activity similar to retroviruses. Proteins in the outer envelope (surface antigen, HBsAg) are involved in viral binding and entry into susceptible cells. HBsAg detection by immunoassay is used in blood screening, to establish a diagnosis of hepatitis B infection in the clinical setting (in combination with other disease markers) and to monitor antiviral treatment.

SPECIFICATION SUMMARY

Antigen: Recombinant HBsAg of ayw subtype.

Host Species: Mouse

Antibody Subtype: Both 18601 and 18602 are IgG1 antibodies.

Specificity: These antibodies recognize the following HBsAg subtypes: ayw1, ayw2, ayw3, ayw4, ayr, adw2, adw4, adrq+, adrq-, and ayw3 (Fer).

APPLICATIONS

ELISA: the pair of 18601 and 18602 can be used in a sandwich ELISA to detect HBsAg.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies may be stored at 4°C for one (1) year.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.