Recombinant Anti-HBV surface antigen Antibody

Cat. No: MOM-18147

Product Overview
Recombinant Human Antibody is bind to Hepatitis B surface antigen, expressed in Chinese Hamster Ovary cells (CHO).

Antigen Description
HBV (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.

Target
Hepatitis B surface antigen

Source
Human

Species Reactivity
HBV

Type
Human IgG1 - kappa

Expression Host
CHO

Protein Construction
Immunoglobulin G, anti- (hepatitis B surface antigen)(human monoclonal 17.1.41 heavy chain), disulfide with human monoclonal 17.1.41 kappa-chain, dimer

Predicted N terminal
H chain: QVKLLES; L Chain: ELVMTQ

Purity
>95.0% as determined by analysis by SDS-PAGE.

Applications
Suitable for use in IF, IP, Neut, FuncS, ELISA, FC, ICC and most other immunological methods.

Storage
4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

Background

Introduction
This is a human monoclonal antibody directed against the hepatitis B virus.

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

For research use only. Not intended for pharmaceutical development, diagnostic, therapeutic or any in vivo use. No products from Creative Biolabs may be resold, modified for resale or used to manufacture commercial products without prior written approval from Creative Biolabs.