Mouse Anti-Virus HBsAg Hybridoma

Cat. No. CSC-H0153 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Virus
Cell Line Description	The antibody is directed against hepatitis B surface antigen.
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 HBxprotein. HBxhas been shown to be a transcriptional transactivator of both viral and cellular promoters. Lacking a DNA binding domain and nuclear localization signal, HBxis believed to exert transcriptional activity through protein protein interaction.
Immunogen	Hepatitis B virus surface antigen
Immunological Donor	Mouse spleen
Fusion Species	Mouse X Mouse Hybridoma
Myeloma	NS1

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Growth properties	Suspension
Propagation	Complete growth medium: DMEM + 2mM glutamine + 15% Foetal Bovine Serum (FBS) Atmosphere: air, 95%; carbon dioxide (CO2), 5% Temperature: 37.0 °C
Subculturing	Maintain cultures between 3-9x10^5 cells/ml; 5% CO2; 37 °C.
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Reactivity	Anti-hepatitis B virus surface antigen
Isotype	IgG1
Application	Immunochiognosis
Storage	Liquid nitrogen
Safety Considerations	The following safety precautions should be observed.1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum.2. No eating, drinking or smoking while handling the hybridoma.3. Wash hands after handling the stable line and before leaving the lab.4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma.5. All waste should be considered hazardous.6. Dispose of all liquid waste after each experiment and treat with bleach.
Ship	Dry ice

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