

Product Data Sheet

Cat # AB-15810

Mouse monoclonal Anti Hepatitis D Virus IgG

**Size:** 20 ug

The HDV genome exists as a negative sense, single-stranded, closed circular RNA. Because of a nucleotide sequence that is 70% self-complementary, the HDV genome forms a partially double stranded RNA structure that is described as rod-like. With a genome of approximately 1700 nucleotides, It has been proposed that HDV may have originated from a class of plant viruses called viroids. Evidence in support of this hypothesis stems from the fact that both HDV and viroids exist as single-stranded, closed circular RNAs that have rod-like structures. Likewise, both HDV and viroids contain RNA sequences that can assume catalytically active structures called ribozymes.

**Antigen used for Immunizations:**

The hepatitis virus delta antigen-coding fragment (isolate TW2576) was inserted into pPinPoint plasmid and the expressed recombinant was used for mouse immunization. After cell fusion, the hybridomas obtained were screened for antibody reacting with the delta antigen fused in different format (MBP-25L) and tested negative for other fusion proteins. Mouse monoclonal antibody against the amino acid residues 4-10 (SESKRNR) of HDAg (isolate 25).

HDV Antibody-HP6A1 is supplied at the concentration of 1 µg/µl. The ammonium sulfate-precipitated ascites fluid is kept in PBS with 1% BSA and then lyophilized. Reconstitute in distilled H<sub>2</sub>O to a concentration of 1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. If more dilute solution required, it is suggested that they be made in a buffered solution containing carrier protein such as PBS with 0.1% BSA. Store unopened antibody at 4°C or lower. Under these conditions, there is no significant loss in product performance one year from the purchase date. The reconstituted antibody is stable for at least two months when stored at 4°C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20°C. Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

**Recommended Usage:**

1. Immunofluorescence: Typical working dilution on frozen sections 1:200. 60 minutes primary antibody incubates at 25°C.

This item is for LABORATORY RESEARCH USE ONLY.

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