

## HBsAg (Clone A10F1) Mouse Monoclonal Antibody

**Specificity:** Human. Others-not known

**Immunogen:** Purified HBsAg

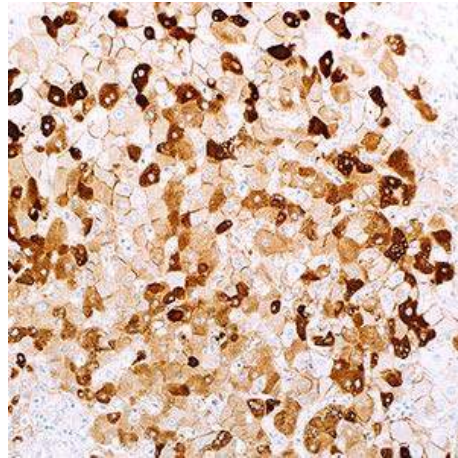
**Ig Class:** IgG1

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* No special pretreatment is required for the immunohistochemical staining of formalin-fixed, paraffin-embedded tissues. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system; *Working dilution:* 1:50-250; *Positive Control:* Hepatitis B virus infected liver. *Cellular Localization:* Cytoplasmic. *Intended Use:* Analyte Specific Reagent (ASR).

**Description:** Hepatitis B virus causes type B hepatitis and it belongs to hepadnavirus family. It is spherical in shape with a diameter of 42 nm. It contains a 27 nm partially double stranded DNA core enclosed within a lipoprotein coat. The antigenic activity of the nucleocapsid core is designated as hepatitis B core antigen. The antigens in the outer surface are called as hepatitis B virus surface antigens. Core antigens are localized within the nuclei whereas the surface antigens are present in the cytoplasm of the infected cells. Antibodies to surface antigens appear in circulation at an early stage of infection whereas the antibodies to the core antigens are detected after several weeks.

**Supplied As:** Tissue culture supernatant with 0.2% BSA and 15mM sodium azide.



*Formalin-fixed, paraffin-embedded human liver infected by hepatitis B virus stained with anti-HBsAg antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of infected hepatocytes*

**Cat. #Z2331 (1.0 ml)**

