HBsAg (A10F1)

Mouse Monoclonal Antibody

Specificity: Humans

Immunogen: Purified HBsAg

Ig Class: IgG1κ

Storage: Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions*: Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution: 1:50-250. Positive Control:* Hepatitis B virus infected liver. *Localization:* Cytoplasmic. *Intended Use*: Research Use Only (RUO).

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.

Intended Use: This antibody is intended for research use only (RUO). HBsAg (A10F1) mouse monoclonal primary antibody is intended for laboratory use in the detection of HBsAg in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

Supplied As*: Purified antibody in Tris-HCI buffer containing stabilizing protein and <0.1% sodium azide.

References:

1. Facchetti F, et al. *Histol Histopathol*. 1986; 1:181-5.
2. Swenson PD, et al. *Acta Biol Acad Sci Hung*. 1980; 31:321-8.

REF **Z2331ML-R/ Z2331MS-R/ Z2331MT-R/ Z2331MP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)**

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