ARG22716
anti-HBV X antigen / HBxAg antibody [3F6-G10]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3F6-G10] recognizes Hepatitis B X Antigen This antibody recognizes HB-X antigen of hepatitis virus. The Hepatitis B X antigen is a 154 amino acid ~17 kDa multifunctional protein involved in the development of liver chirrosis and hepatocellular carcinoma (UniProt: P03165). Clone 3F6-G10 was produced by immunization of mice with a "HB-X- Protein A" fusion construct and subsequent screening of hybridoma products against a "HB-X-GST" fusion construct (Marczinovits et al. 1997). Mouse anti Hepatitis B-X antibody, clone 3F6-G10 has been used succesfully for the detection of the hepatitis B X antigen by immunohistochemistry in formalin fixed, paraffin embedded material, also by western blotting against the immunizing and screening fusion proteins (Pál et al. 2001). Subsequently clone 3F6-G10 has been used as a capture reagent in a sensitive sandwich ELISA and bead based flow assay for the quantitative assessment of HbX antigen in Human sera (Pál et al. 2005). Fine epitope mapping by phage library screening indicates that the epitope recognized by Mouse anti Hepatitis B-X antibody, clone 3F6-G10 lies between amino acids 88 and 93 of the X antigen, a result subsequently confirmed by peptide ELISA (Pál et al. 2003).
Tested Reactivity	HBV
Tested Application	ELISA, IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	3F6-G10
Isotype	IgG2a
Target Name	HBV X antigen / HBxAg
Species	HBV
Immunogen	HB-Xag-Protein A Fusion protein.
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
IHC-Fr	1:100
IHC-P	1:100
WB	1:100 - 1:500

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid

Purification	Purification with Protein G.
Buffer	Aqueous solution, 0.09% Sodium azide and 0.1% BSA.
Preservative	0.09% Sodium azide
Stabilizer	0.1% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.