

Mouse AFP (Alpha Fetoprotein) Monoclonal Antibody | anti-AFP antibody

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62674	Mouse	Human, Mouse. Does not react with Cow, Dog and Rat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

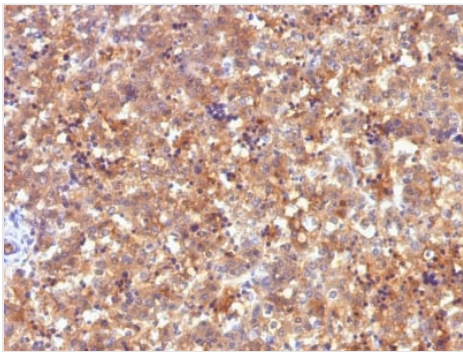
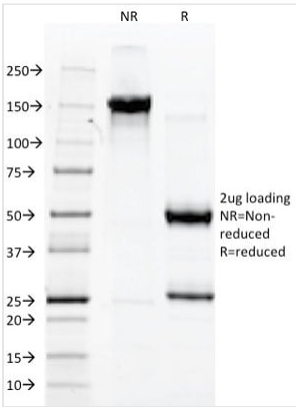
PRODUCT SYNONYMS

AFP (Alpha Fetoprotein); Monoclonal Antibody; AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Mouse Monoclonal Antibody; Alpha fetoglobulin; FETA; HPAFP; anti-AFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse. Does not react with Cow, Dog and Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	C2
Specificity	It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP) (ISOBM TD-2 workshop). This MAb is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	609
Applicable Applications for anti-AFP antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Alpha fetoprotein (AFP) purified from serum of a hepatoma patient
Hu-Chromosome Location	4q13.3
Positive Control	Hep-G2 cells. Fetal liver or hepatocellular carcinoma
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Fetal Liver stained with AFP Monoclonal Antibody (C2).

SDS-PAGE
SDS-PAGE analysisPurified AFP Mouse Monoclonal antibody (C2).Confirmation of Integrity and Purity of antibody.

ADDITIONAL INFORMATION

References	Tsung K., et al.Milunsky A., Alpert E. Derivation and characterization of a monoclonal hybridoma antibody specific for human alpha-fetoprotein. J. Immunol. Methods 39: 363-368, (1980) Michell B., Fiebach H., Karsten U., Goussev A.I., Yazova A.K., Knopp J. Monoclonal antibodies to different epitopes of human alpha-fetoprotein (AFP). Eur. J. Cancer Clin. Oncol. 19:1239-1246, (1983). Yazova A.K., Goussev A.I., Poltorania V.S., Yakimenko E.F., Human alpha- fetoprotein epitopes as revealed by monoclonal antibodies. Immunol. Lett. 25: 325-330, (1990). Nustad K., Paus E., Kierulf B., Bormer O.P. Specificity and affinity of 30 monoclonal antibodies against alpha-fetoprotein. Tumor Biol 19: 293 -300, (1998). Yakimenko E.F., Karamova E.R., Goussev A.I., Hilgers J., Abelev G.I., Yazova A.K.: Epitope mapping of human alpha-fetoprotein. Tumor Biol 19: 301309, (1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125.1
NCBI GenBank Nucleotide #	NM_001134.2
UniProt Accession #	P02771; B2RBU3
Molecular Weight	70kDa
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Synonym Full Names	alpha fetoprotein
NCBI Official Symbol	AFP
NCBI Official Synonym Symbols	AFPD; FETA; HPAFP
NCBI Protein Information	alpha-fetoprotein
UniProt Protein Name	Alpha-fetoprotein
UniProt Gene Name	AFP
UniProt Synonym Gene Names	HPAFP
UniProt Entry Name	FETA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

