

Mouse anti-Human AFP Monoclonal Antibody | anti-AFP antibody

AFP antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48951	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

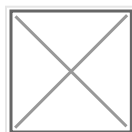
PRODUCT SYNONYMS

AFP; Monoclonal Antibody; AFP antibody; anti-AFP antibody

PRODUCT SPECIFICATIONS

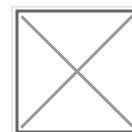
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT73E10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	609
Applicable Applications for anti-AFP antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human AFP (19-609aa) purified from insect cell.
Clone Note	Anti-human AFP mAb, clone AT73E10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human AFP protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of AFP in HaLe cells. The cell was stained with ATGA0488 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AFP antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: Mouse liver tissue lysate The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AFP antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Jurkat cell lysate Lane 2.: Raw264.7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-AFP antibody	AFP, also known as alpha-fetoprotein, is a major plasma protein produced by the yolk sac and the liver during fetal development. It is thought to be the fetal form of serum albumin. This protein binds to copper, nickel, fatty acids and bilirubin. The main function of this is to prevent the virilization of female fetuses. As it does not bind estrogen, its function in humans is less clear.
Product Categories/Family for anti-AFP antibody	Cardiovascular
References	Tomasi TB Jr., (1997) Annu Rev Med. 28: 453-465. ; Elbrecht A, et al. (1992) Science. 255: 467-470.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125
NCBI GenBank Nucleotide #	NM_001134.2
UniProt Accession #	P02771; B2RBU3
Molecular Weight	68,678 Da
NCBI Official Full Name	alpha-fetoprotein isoform 1
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

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.