

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

Mouse anti Alpha Fetoprotein (AFP) Monoclonal Antibody

CATALOG # AAA71318	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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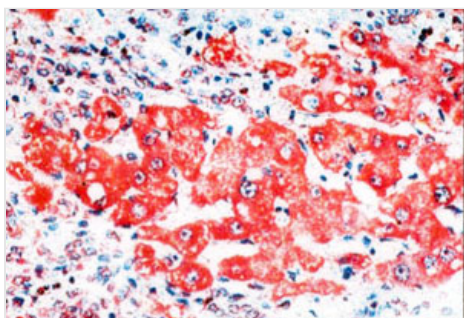
PRODUCT SYNONYMS

Alpha Fetoprotein (AFP); Monoclonal Antibody; Mouse anti Alpha Fetoprotein (AFP) Monoclonal Antibody; alpha-fetoprotein; anti-AFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2ak
Clone Number	SPM334
Specificity	This antibody recognizes human AFP. The other species were not tested.
Purity/Purification	The Mouse IgG is purified by Isotyping-specific Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH 7.2) containing antibody stabilizer.
Sequence Length	609
Applicable Applications for anti-AFP antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	Affinity purified human alpha-fetoprotein
Positive Control	Carcinoma
Cellular location	Cytoplasmic
Preparation and Storage	These antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Human hepatocellular carcinoma stained with mouse anti-AFP monoclonal antibody at 1:200 for 10 mins at RT. Visualized by using AEC chromogen color system. Note: Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 mins.

ADDITIONAL INFORMATION

Related Product Information for anti-AFP antibody	The Alpha-Fetoprotein (AFP) is a ~65kDa tumor associated embryonal antigen. This gene encodes alpha-fetoprotein, a major plasma, protein produced by the yolk and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin and the alpha fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4, Alphafetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds cooper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly.
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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	~65 kDa
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

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-fetoprotein-afp-antibody-clone-spm334-immunohistochemistry-western-blot-elisa/71318>