

Mouse ALPHA FETOPROTEIN Monoclonal Antibody | anti-AFP antibody

MOUSE ANTI HUMAN ALPHA FETOPROTEIN

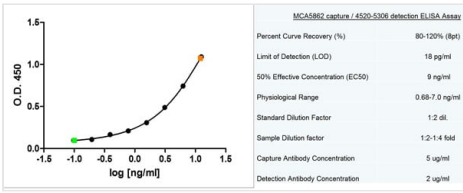
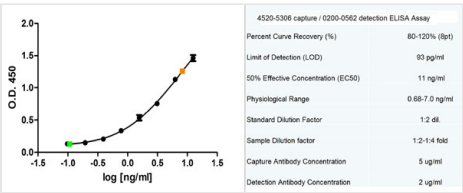
CATALOG # AAA49182	HOST Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

ALPHA FETOPROTEIN; Monoclonal Antibody; MOUSE ANTI HUMAN ALPHA FETOPROTEIN; anti-AFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	2I9/2
Specificity	This item recognises alpha fetoprotein (AFP), a member of the albuminoid superfamily. It is a 68kD plasma protein found in fetuses over four weeks old, produced by the yolk sac and the fetal liver, with the highest concentration reached during the 12th to 16th week of gestation. It binds and transports various ligands such as bilirubin, fatty acids, steroids, heavy metals and various drugs. After birth, plasma levels drop to trace amounts in healthy adults. Elevated AFP levels are indicative of certain cancers, particularly hepatocellular carcinoma, cancer of the testes or ovaries or a malignant teratoma. During pregnancy increased levels of AFP may indicate neural tube defects such as spina bifida, while decreased levels could indicate Down's syndrome. This item does not cross-react with human albumin and other human serum proteins.
Form/Format	Purified Ig fraction - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	609
Applicable Applications for anti-AFP antibody	ELISA
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Ig fraction prepared by chromatography
Immunogen	Human fetal cord serum
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

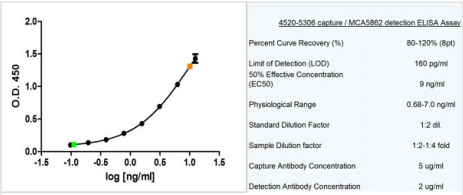


Application Data

Sandwich ELISA analysis of alpha fetoprotein binding using Mouse anti Human alpha fetoprotein as a capture reagent and biotinylated Mouse anti Human alpha fetoprotein as a detection reagent with human alpha fetoprotein as antigen for the generation of a standard curve. Detection is by HRP conjugated Streptavidin and substrate. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader . Serum (green) and plasma (orange) samples are both displayed at 1:2 dilution.

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Sandwich ELISA analysis of alpha fetoprotein binding using Mouse anti Human alpha fetoprotein as a capture reagent and biotinylated Mouse anti Human alpha fetoprotein (AAA49182) as a detection reagent with human alpha fetoprotein as antigen for the generation of a standard curve. Detection is by HRP conjugated Streptavidin and substrate. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader . Serum (green) and plasma (orange) samples are both displayed at 1:2 dilution.



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ADDITIONAL INFORMATION

Related Product Information for anti-AFP antibody

MBS211649 recognises alpha fetoprotein (AFP), a member of the albuminoid superfamily. It is a 68kD plasma protein found in fetuses over four weeks old, produced by the yolk sac and the fetal liver, with the highest concentration reached during the 12th to 16th week of gestation. It binds and transports various ligands such as bilirubin, fatty acids, steroids, heavy metals and various drugs. After birth, plasma levels drop to trace amounts in healthy adults. Elevated AFP levels are indicative of certain cancers, particularly hepatocellular carcinoma, cancer of the testes or ovaries or a malignant teratoma. During pregnancy increased levels of AFP may indicate neural tube defects such as spina bifida, while decreased levels could indicate Down's syndrome. MBS211649 does not cross-react with human albumin and other human serum proteins.

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
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; alpha-1-fetoprotein; alpha-fetoglobulin
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-fetoprotein-antibody-clone-2i9-2-elisa/49182>