

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

Anti-Alpha-fetoprotein Antibody (APC), Mouse Monoclonal

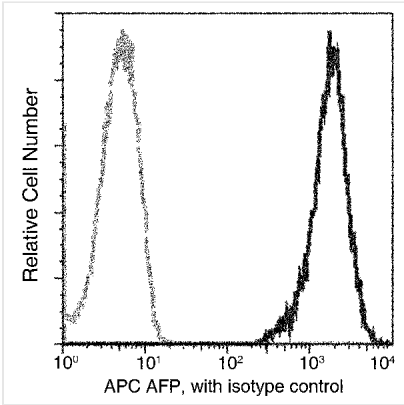
CATALOG # AAA255532	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

Alpha-fetoprotein; Monoclonal Antibody; Anti-Alpha-fetoprotein Antibody (APC); Mouse Monoclonal; AFP/alpha-fetoprotein Antibody (APC); Mouse MAb; alpha-fetoprotein; Anti-AFPD Antibody; Anti-Alpha-fetoprotein Antibody; Anti-FETA Antibody; Anti-HPAFP Antibody; anti-AFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	35
Specificity	Human AFP/alpha-fetoprotein
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-AFP antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human AFP/alpha-fetoprotein protein
Conjugation	APC
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human AFP/alpha-fetoprotein (rh AFP/alpha-fetoprotein) and conjugated with APC under optimum conditions, the unreacted APC was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human AFP expression on HepG2 cells. The cells were treated according to manufacturer's manual (BD Pharmingen[®]), stained with APC-conjugated anti-Human AFP. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-AFP antibody	Alpha-fetoprotein (AFP) is classified as a member of the albuminoid gene superfamily consisting of albumin, AFP, vitamin D (Gc) protein, and alpha-albumin. AFP is a glycoprotein of 591 amino acids and a carbohydrate moiety. AFP is one of the several embryo-specific proteins and is a dominant serum protein as early in human embryonic life as one month, when albumin and transferrin are present in relatively small amounts. It is first synthesized in the human by the yolk sac and liver(1-2 months) and subsequently predominantly in the liver. A small amount of AFP is produced by the GI tract of the human conceptus. It has been proved that AFP may reappear in the serum in elevated amounts in adult life in association with normal restorative processes and with malignant growth. Alpha-fetoprotein (AFP) is a specific marker for hepatocellular carcinoma (HCC), teratoblastomas, and neural tube defect (NTD).
References	Mizejewski GJ. (2001) Alpha-fetoprotein Structure and Function: Relevance to Isoforms, Epitopes, and Conformational Variants. Exp Biol Med. 226(5): 377-408. Tomasi TB, et al. (1977) Structure and Function of Alpha-Fetoprotein. Annual Review of Medicine. 28: 453-65. Leguy MC, et al. (2011) Assessment of AFP in amniotic fluid: comparison of three automated techniques. Ann Biol Clin. 69(4): 441-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125.1
NCBI GenBank Nucleotide #	NM_001134.1
UniProt Accession #	P02771; B2RBU3
Molecular Weight	68,678 Da
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Synonym Full Names	alpha-fetoprotein
NCBI Official Symbol	AFP
NCBI Official Synonym Symbols	FETA; HPAFP
NCBI Protein Information	alpha-fetoprotein; alpha-fetoglobulin; alpha-1-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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/alpha-fetoprotein-antibody-clone-35-flow-cytometry-elisa/255532>