

Mouse anti-Human Fetoprotein, Alpha Monoclonal Antibody | anti-FETA antibody

Fetoprotein, Alpha (AFP, Alpha1-fetoprotein, Alpha-fetoglobulin, Alpha-fetoprotein precursor, FETA, HPAFP) (FITC)

CATALOG # AAA25013	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunofluorescence, Immunoprecipitation, Western Blot
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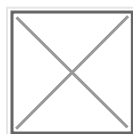
PRODUCT SYNONYMS

Fetoprotein; Alpha; Monoclonal Antibody; Alpha (AFP; Alpha1-fetoprotein; Alpha-fetoglobulin; Alpha-fetoprotein precursor; FETA; HPAFP) (FITC); anti-FETA antibody

PRODUCT SPECIFICATIONS

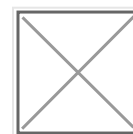
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	1G7
Specificity	Recognizes human AFP.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-FETA antibody	ELISA, IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IF: 30ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa500-609 from human AFP (AAH27881) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	CCTSSYANRRPCFSSLVVDETYVPPAFSDDKFIFHKDLCQAQGVALQTMKQEFLINLVKQKPQITEEQLEAVIADFSGLLEKCCQGQEQEVCFAEEGQKLI
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removal of cap.

IMAGES



WB (Western Blot)

Western Blot analysis of AFP expression in transfected 293T cell line by AFP monoclonal antibody. Lane 1: AFP transfected lysate (69kD). Lane 2: Non-transfected lysate.



Application Data

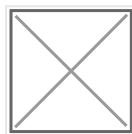
Detection limit for recombinant GST tagged AFP is ~0.03ng/ml as a capture antibody.

**IP (Immunoprecipitation)**

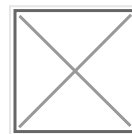
Immunoprecipitation of AFP transfected lysate using AFP monoclonal antibody and Protein A Magnetic Bead and immunoblotted with AFP rabbit polyclonal antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to AFP on HepG2 cell. [antibody concentration 30ug/ml].

**WB (Western Blot)**

AFP monoclonal antibody Western Blot analysis of AFP expression in HepG2.

**WB (Western Blot)**

Western Blot detection against Immunogen (37.84kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-FETA antibody	Antibodies; Serum Proteins
References	1. Immunodevice for simultaneous detection of two relevant tumor markers based on separation of different microparticles by dielectrophoresis. Ramon-Azcon J, Yasukawa T, Mizutani F. Biosens Bioelectron. 2011 Aug 4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20379786
NCBI GeneID	174
UniProt Accession #	P02771; B2RBU3
Molecular Weight	68,678 Da
NCBI Official Full Name	Homo sapiens alpha-fetoprotein, mRNA
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fetoprotein-alpha-antibody-clone-1g7-immunofluorescence-immunoprecipitation-western-blot-elisa/25013>