

Mouse Alpha-fetoprotein ELISA Kit | AFP elisa kit

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CATALOG #
AAA86365

REACTIVITY
Mouse

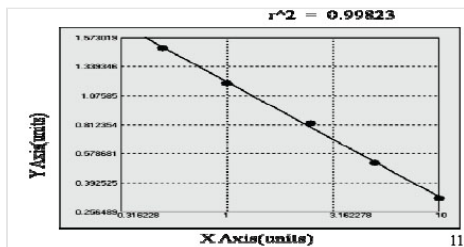
PRODUCT SYNONYMS

Alpha-fetoprotein; Mouse Alpha-fetoprotein ELISA Kit; AFP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This AFP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AFP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AFP elisa kit

Principle of the Assay: AFP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AFP antibody and an AFP-HRP conjugate. The assay sample and buffer are incubated together with AFP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AFP concentration since AFP from samples and AFP-HRP conjugate compete for the anti-AFP antibody binding site. Since the number of sites is limited, as more sites are occupied by AFP from the sample, fewer sites are left to bind AFP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AFP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AFP elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125.1
NCBI GenBank Nucleotide #	NM_001134.2
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	AFPD; 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/afp-mouse-elisa-kits/alpha-fetoprotein/86365>