

Mouse AFP ELISA Kit | AFP elisa kit

Mouse AFP PicoKine ELISA Kit

CATALOG #
AAA125175

REACTIVITY
Mouse

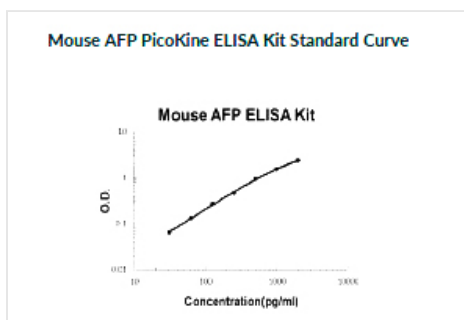
PRODUCT SYNONYMS

AFP; Mouse AFP PicoKine ELISA Kit; Mouse AFP; alpha fetoprotein; Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin; Afp; AFP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Afp
Sequence Length	605
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AFP elisa kit	Principle of the Assay: The Picokine™ Mouse Afp Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Afp with a 96-well strip plate that is pre-coated with antibody specific for Afp. The detection antibody is a biotinylated antibody specific for Afp. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Afp with immunogen: Expression system for standard: NSO, Immunogen sequence: K19-V605. The kit is analytically validated with ready to use reagents. To measure Mouse Afp, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Afp in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Afp in the sample.!!Background/Introduction: alpha-Fetoprotein (AFP), is albuminoid superfamily protein that is synthesized in the fetus primarily by the liver, yolk sac, and tissues of gastrointestinal origin. This gene is mapped to 5 E1; 5 44.77 cM. AFP acts as a carrier protein for steroids, bilirubin, fatty acids, retinoids, and flavonoids. In addition, it can exert immunosuppressive activity, regulate cell proliferation and apoptosis, initiate intracellular signaling, and contribute to cell invasion. Altered levels of both fetal and maternal AFP have been associated with hypothyroidism, autoimmune disorders, and heart defects. Low maternal serum AFP levels are associated with a higher incidence of Down syndrome, whereas higher levels are associated with spina bifida and anencephaly. Elevated AFP levels are also coincident with liver, stomach, and germ cell cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	163310738
NCBI GeneID	11576
NCBI Accession #	NP_031449.3
NCBI GenBank Nucleotide #	NP_031449.3
UniProt Accession #	P02772
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Synonym Full Names	alpha fetoprotein
NCBI Official Symbol	Afp
NCBI Protein Information	alpha-fetoprotein
UniProt Protein Name	Alpha-fetoprotein
UniProt Gene Name	Afp

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.