

Mouse FABP4 ELISA Kit | FABP4 elisa kit

Mouse FABP4 PicoKine ELISA Kit

CATALOG #
AAA46663

REACTIVITY
Mouse

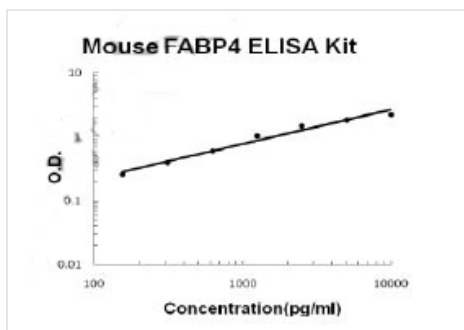
PRODUCT SYNONYMS

FABP4; Mouse FABP4 PicoKine ELISA Kit; 422/aP2; A-FABP; AFABP; adipocyte; ALBP; ALBP/Ap2; aP2; HEL S 104; Lbpl; P15; Protein 422; P04117; Fatty acid-binding protein; fatty acid binding protein 4; FABP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Fabp2
Sequence Length	132
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 accross 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FABP4 elisa kit	Principle of the Assay: The Picokine Mouse Fabp2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Fabp2 with a 96-well strip plate that is pre-coated with antibody specific for Fabp2. The detection antibody is a biotinylated antibody specific for Fabp2. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Fabp2 with immunogen: Expression system for standard: E.coli, Immunogen sequence: A2-E132. The kit is analytically validated with ready to use reagents. To measure Mouse Fabp2, 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 propotional to Mouse Fabp2 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 Fabp2 in the sample!!Background/Introduction: Fatty acid-binding protein 2 (FABP2), also known as Intestinal-type fatty acid-binding protein (I-FABP) is a protein that in humans is encoded by the FABP2 gene. The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal-and cardiac-type. Using a human cDNA probe for in situ hybridization studies, they regionalized the assignment to 4q28-q31. The intestinal form of FABP was mapped to mouse chromosome 3 between the amylase and alcohol dehydrogenase-3 loci. Also, they may be responsible in the modulation of cell growth and proliferation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14149635
NCBI GeneID	11770
NCBI Accession #	NP_077717.1
NCBI GenBank Nucleotide #	NM_024406.2
UniProt Accession #	P04117
Molecular Weight	14,650 Da
NCBI Official Full Name	fatty acid-binding protein, adipocyte
NCBI Official Synonym Full Names	fatty acid binding protein 4, adipocyte
NCBI Official Symbol	Fabp4
NCBI Official Synonym Symbols	Ap2; LbpI; 422/aP2; ALBP/Ap2
NCBI Protein Information	fatty acid-binding protein, adipocyte
UniProt Protein Name	Fatty acid-binding protein, adipocyte
UniProt Gene Name	Fabp4
UniProt Synonym Gene Names	Ap2; ALBP; A-FABP; AFABP
UniProt Entry Name	FABP4_MOUSE

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/mouse-elisa-kits/fabp4/46663>