

Human FABP2/I-FABP ELISA Kit | FABP2 elisa kit

Human FABP2/I-FABP PicoKine ELISA Kit

CATALOG #
AAA46768

REACTIVITY
Human

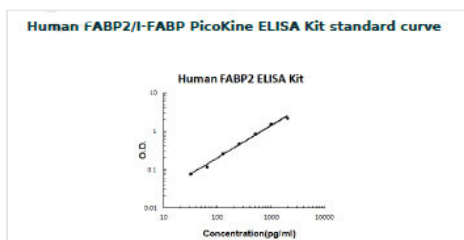
PRODUCT SYNONYMS

FABP2/I-FABP; Human FABP2/I-FABP PicoKine ELISA Kit; FABP2; FABP 2; FABPI_HUMAN; Fatty acid-binding protein; Fatty acid-binding protein 2; I-FABP; intestinal; Intestinal-type fatty acid-binding protein; P12104; FABP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FABP2
Sequence Length	132
Samples	Cell culture supernates, cell lysates, 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 interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FABP2 elisa kit	Principle of the Assay: The Picokine™ Human FABP2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human 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 monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human FABP2 with immunogen: Expression system for standard: E.coli; Immunogen sequence: A2-D132. The kit is analytically validated with ready to use reagents. To measure Human 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 proportional to Human 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 Human 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 #	194097325
NCBI GeneID	2169
NCBI Accession #	NP_000125.2
NCBI GenBank Nucleotide #	NM_000134.3
UniProt Accession #	P12104; Q2NKJ1
Molecular Weight	15,207 Da
NCBI Official Full Name	fatty acid-binding protein, intestinal
NCBI Official Synonym Full Names	fatty acid binding protein 2
NCBI Official Symbol	FABP2
NCBI Official Synonym Symbols	FABPI; I-FABP
NCBI Protein Information	fatty acid-binding protein, intestinal
UniProt Protein Name	Fatty acid-binding protein, intestinal
UniProt Gene Name	FABP2
UniProt Synonym Gene Names	FABPI; I-FABP

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/human-elisa-kits/fabp2-i-fabp/46768>