

Human Intestinal fatty acid binding protein ELISA Kit | IFABP elisa kit

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CATALOG #
AAA87410

REACTIVITY
Human

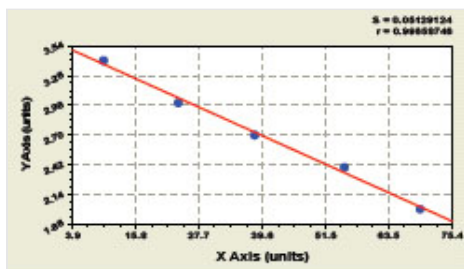
PRODUCT SYNONYMS

Intestinal fatty acid binding protein; Human Intestinal fatty acid binding protein ELISA Kit; IFABP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This iFABP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human iFABP. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFABP elisa kit

Principle of the Assay: iFABP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-iFABP antibody and an iFABP-HRP conjugate. The assay sample and buffer are incubated together with iFABP-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 iFABP concentration since iFABP from samples and iFABP-HRP conjugate compete for the anti-iFABP antibody binding site. Since the number of sites is limited, as more sites are occupied by iFABP from the sample, fewer sites are left to bind iFABP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The iFABP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6007485
NCBI GeneID	30708
Molecular Weight	15,060 Da
NCBI Official Full Name	intestinal fatty acid binding protein
NCBI Official Synonym Full Names	fatty acid binding protein 2, intestinal
NCBI Official Symbol	fabp2
NCBI Official Synonym Symbols	ifabp; I-FABP; zgc:92264
NCBI Protein Information	fatty acid-binding protein, intestinal; I-FABP (FABPI); intestinal fatty acid binding pr; intestinal fatty acid binding protein 2
UniProt Protein Name	Fabp2 protein
UniProt Gene Name	fabp2
UniProt Synonym Gene Names	I-FABP (FABPI); IFABP
UniProt Entry Name	Q9PRH9_DANRE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/ifabp-human-elisa-kits/intestinal-fatty-acid-binding-protein/87410>