

Human Fatty Acid Binding Protein 5, Epidermal ELISA Kit | FABP5 elisa kit

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CATALOG #
AAA82991

REACTIVITY
Human

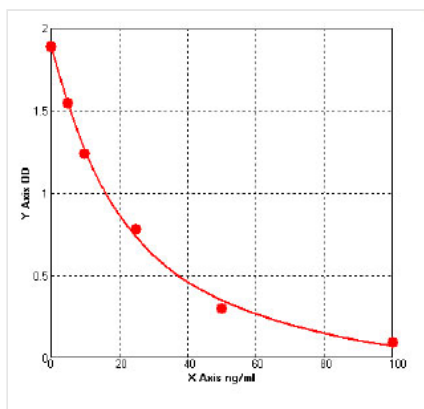
PRODUCT SYNONYMS

Fatty Acid Binding Protein 5; Epidermal; Human Fatty Acid Binding Protein 5; Epidermal ELISA Kit; FABP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FABP5. No significant cross-reactivity or interference between FABP5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FABP5 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Highest Standards	25ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FABP5 elisa kit	Principle of the Assay: FABP5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FABP5 antibody and an FABP5-HRP conjugate. The assay sample and buffer are incubated together with FABP5-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 FABP5 concentration since FABP5 from samples and FABP5-HRP conjugate compete for the anti-FABP5 antibody binding site. Since the number of sites is limited, as more sites are occupied by FABP5 from the sample, fewer sites are left to bind FABP5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FABP5 concentration in each sample is interpolated from this standard curve. Intended Uses: This FABP5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FABP5. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557581
NCBI GeneID	2171
NCBI Accession #	NP_001435.1
NCBI GenBank Nucleotide #	NM_001444.2
Molecular Weight	15,164 Da
NCBI Official Full Name	fatty acid-binding protein, epidermal
NCBI Official Synonym Full Names	fatty acid binding protein 5 (psoriasis-associated)
NCBI Official Symbol	FABP5
NCBI Official Synonym Symbols	EFABP; KFABP; E-FABP; PAFABP; PA-FABP
NCBI Protein Information	fatty acid-binding protein, epidermal; epidermal-type fatty acid-binding protein; psoriasis-associated fatty acid-binding protein homolog
UniProt Protein Name	Fatty acid-binding protein, epidermal
UniProt Gene Name	FABP5
UniProt Synonym Gene Names	E-FABP; PA-FABP
UniProt Entry Name	FABP5_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.