

Rat Fatty Acid Binding Protein 5, Epidermal (FABP5) ELISA Kit | FABP5 elisa kit

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CATALOG #
AAA148592

REACTIVITY
Rat

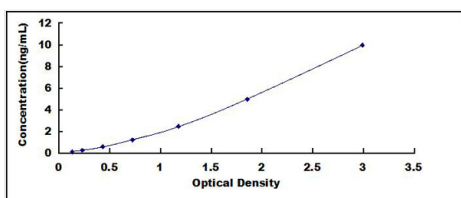
PRODUCT SYNONYMS

Fatty Acid Binding Protein 5; Epidermal (FABP5); Rat Fatty Acid Binding Protein 5; Epidermal (FABP5) ELISA Kit; E-FABP; EFABP; PA-FABP; PAFABP; Psoriasis-Associated; Epidermal-type fatty acid-binding protein; Psoriasis-associated fatty acid-binding protein homolog; FABP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Fatty Acid Binding Protein 5, Epidermal (FABP5). No significant cross-reactivity or interference between Fatty Acid Binding Protein 5, Epidermal (FABP5) and analogues was observed.
Sequence Length	135
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Breast milk, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.069ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Fatty Acid Binding Protein 5, Epidermal (FABP5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Fatty Acid Binding Protein 5, Epidermal (FABP5) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FABP5 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Fatty Acid Binding Protein 5, Epidermal (FABP5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fatty Acid Binding Protein 5, Epidermal (FABP5). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Fatty Acid Binding Protein 5, Epidermal (FABP5), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Fatty Acid Binding Protein 5, Epidermal (FABP5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FABP5 elisa kit	Metabolic pathway; Tumor immunity; Infection immunity; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	22024394
NCBI GeneID	140868
NCBI Accession #	NP_665885.1
NCBI GenBank Nucleotide #	NM_145878.1
UniProt Accession #	P55053; P97757
Molecular Weight	15,059 Da
NCBI Official Full Name	fatty acid-binding protein, epidermal
NCBI Official Synonym Full Names	fatty acid binding protein 5
NCBI Official Symbol	Fabp5
NCBI Official Synonym Symbols	DA11; C-FABP; E-FABP
NCBI Protein Information	fatty acid-binding protein, epidermal
UniProt Protein Name	Fatty acid-binding protein, epidermal
UniProt Gene Name	Fabp5
UniProt Synonym Gene Names	C-FABP; E-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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/fatty-acid-binding-protein-5-epidermal-fabp5/148592>