Porcine Fatty Acid Binding Protein 3, Muscle And Heart (FABP3) ELISA Kit | FABP3 elisa kit

Porcine Fatty Acid Binding Protein 3, Muscle And Heart (FABP3) ELISA Kit

CATALOG #	REACTIVITY
AAA139153	**Porcine**

PRODUCT SYNONYMS

Fatty Acid Binding Protein 3; Muscle And Heart (FABP3); Porcine Fatty Acid Binding Protein 3; Muscle And Heart (FABP3) ELISA Kit; MDGI; FABP11; H-FABP; O-FABP; Hfabp; Mammary Derived Growth Inhibitor; Fatty Acid Binding Protein 11; Muscle fatty acid-binding protein; Heart-type fatty acid-binding protein; FABP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of Fatty Acid Binding Protein 3, Muscle And Heart (FABP3). No significant cross-reactivity or interference between Fatty Acid Binding Protein 3, Muscle And Heart (FABP3) and analogues was observed.
Sequence Length	133
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.252ng/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 3, Muscle And Heart (FABP3) 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 3, Muscle And Heart (FABP3) 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 FABP3 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 3, Muscle And Heart (FABP3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fatty Acid Binding Protein 3, Muscle And Heart (FABP3). 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 3, Muscle And Heart (FABP3), 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 3, Muscle And Heart (FABP3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FABP3 elisa kit	Metabolic pathway; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119628024
NCBI GeneID	2170
UniProt Accession #	P05413; Q5VV93; Q99957; B2RAB6
Molecular Weight	14,858 Da
NCBI Official Full Name	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor), isoform CRA_b
NCBI Official Synonym Full Names	fatty acid binding protein 3, muscle and heart
NCBI Official Symbol	FABP3
NCBI Official Synonym Symbols	MDGI; FABP11; H-FABP; M-FABP; O-FABP
NCBI Protein Information	fatty acid-binding protein, heart
UniProt Protein Name	Fatty acid-binding protein, heart
UniProt Gene Name	**FABP3**
UniProt Synonym Gene Names	FABP11; MDGI; H-FABP; MDGI; M-FABP
UniProt Entry Name	FABPH_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.

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