

Human Heart-type Fatty Acid Binding Protein (H-FABP) ELISA Kit | H-FABP elisa kit

Human Heart-type Fatty Acid Binding Protein (H-FABP) High Sensitive ELISA Kit

CATALOG # AAA188540	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

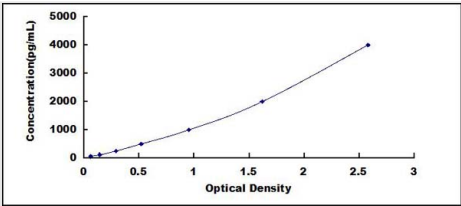
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP). No significant cross-reactivity or interference between High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP) 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	62.5-4,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 24.7pg/mL
Applicable Applications for H-FABP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP). 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 High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP), 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 High Sensitive Heart-type Fatty Acid Binding Protein (H-FABP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119802
NCBI GeneID	2170
UniProt Accession #	P05413
NCBI Official Full Name	Fatty acid-binding protein, heart
NCBI Official Synonym Full Names	fatty acid binding protein 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/heart-type-fatty-acid-binding-protein-h-fabp/188540>