

Mouse heart fatty acid binding protein, h-FABP ELISA Kit | H-FABP elisa kit

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CATALOG #
AAA84418

REACTIVITY
Mouse

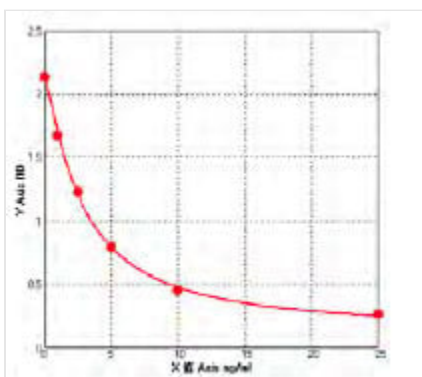
PRODUCT SYNONYMS

heart fatty acid binding protein; h-FABP; Mouse heart fatty acid binding protein; h-FABP ELISA Kit; Mouse heart fatty acid binding protein ELISA Kit; h-FABP ELISA Kit (Mouse); H-FABP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HFABP. No significant cross-reactivity or interference between HFABP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HFABP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for H-FABP elisa kit	Intended Uses: This HFABP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HFABP. This ELISA kit for research use only! Principle of the Assay: HFABP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HFABP antibody and an HFABP-HRP conjugate. The assay sample and buffer are incubated together with HFABP-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 HFABP concentration since HFABP from samples and HFABP-HRP conjugate compete for the anti-HFABP antibody binding site. Since the number of sites is limited, as more sites are occupied by HFABP from the sample, fewer sites are left to bind HFABP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HFABP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for H-FABP elisa kit	Mouse ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	458862
NCBI GeneID	2170
UniProt Accession #	P05413; Q5VV93; Q99957; B2RAB6; Q6IBD7
Molecular Weight	14,858 Da
NCBI Official Full Name	heart fatty acid binding protein
NCBI Official Synonym Full Names	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)
NCBI Official Symbol	FABP3
NCBI Official Synonym Symbols	MDGI; FABP11; H-FABP; O-FABP
NCBI Protein Information	fatty acid-binding protein, heart; M-FABP; OTTHUMP00000003898; fatty acid binding protein 11; mammary-derived growth inhibitor; muscle fatty acid-binding protein; Fatty acid-binding protein 3, muscle; heart-type fatty acid-binding protein
UniProt Protein Name	Fatty acid-binding protein, heart
UniProt Gene Name	FABP3
UniProt Synonym Gene Names	FABP11; MDGI
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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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/heart-fatty-acid-binding-protein-h-fabp/84418>