Human Fatty Acid-Binding Protein, Heart (FABP3) ELISA Kit | FABP3 elisa kit

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CATALOG #	REACTIVITY
AAA331942	**Human**

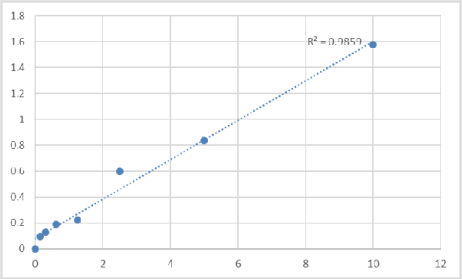
PRODUCT SYNONYMS

Fatty Acid-Binding Protein; Heart (FABP3); Human Fatty Acid-Binding Protein; Heart (FABP3) ELISA Kit; FABP3; FABP11; H-FABP; MDGI; O-FABP; Fatty acid-binding protein 3; muscle; fatty acid binding protein 11; fatty acid binding protein 3; mammary-derived growth inhibitor; FABP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Fatty acid-binding protein, heart (FABP3) ELISA Kit has high sensitivity and excellent specificity for detection of Human FABP3. No significant cross-reactivity or interference between Human FABP3 and analogues was observed.
Sequence Length	133
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Fatty acid-binding protein, heart (FABP3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for FABP3 elisa kit	Description: This Human Fatty acid-binding protein, heart (FABP3) ELISA Kit employs a two-site sandwich ELISA to quantitate FABP3 in samples. An antibody specific for FABP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FABP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FABP3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FABP3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Heart fatty acid binding protein (hFABP) is a novel small cytosolic protein that is abundant in the heart. It is highly cardiac-specific, but is also expressed at low concentrations in tissues outside the heart. After myocardial ischemic damage, hFABP can be detected in the blood as early as 1-3 h after onset of chest pain, with peak values reached at 6-8 h and plasma levels returning to normal within 24-30 h. The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells.

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
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