

Sheep Heart Fatty Acid Binding Protein ELISA Kit | h-FABP elisa kit

Sheep Heart Fatty Acid Binding Protein ELISA Kit

CATALOG #
AAA92632

REACTIVITY
Sheep

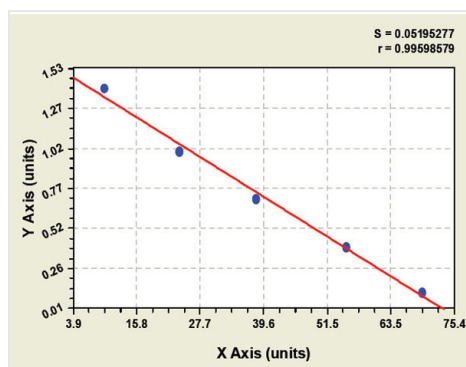
PRODUCT SYNONYMS

Heart Fatty Acid Binding Protein; Sheep Heart Fatty Acid Binding Protein ELISA Kit; h-FABP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This h-FABP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep h-FABP. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the Assay: h-FABP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-h-FABP antibody and an h-FABP-HRP conjugate. The assay sample and buffer are incubated together with h-FABP-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 h-FABP concentration since h-FABP from samples and h-FABP-HRP conjugate compete for the anti-h-FABP antibody binding site. Since the number of sites is limited, as more sites are occupied by h-FABP from the sample, fewer sites are left to bind h-FABP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The h-FABP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for h-FABP elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	458862
NCBI GeneID	2170
Molecular Weight	14,858 Da
NCBI Official Full Name	heart fatty acid binding protein, partial
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; M-FABP; O-FABP
NCBI Protein Information	fatty acid-binding protein, heart; 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; 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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Online datasheet: <https://stage.aaabiotech.com/h-fabp-sheep-elisa-kits/heart-fatty-acid-binding-protein/92632>