

Rat Fructose-1, 6-bisphosphatase 1 (FBP1) ELISA Kit | FBP1 elisa kit

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CATALOG #
AAA245703

REACTIVITY
Rat

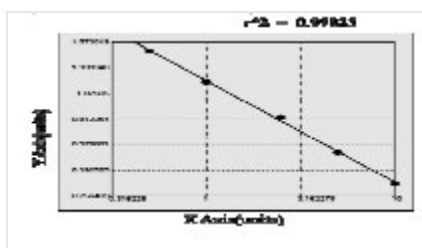
PRODUCT SYNONYMS

Fructose-1; 6-bisphosphatase 1 (FBP1); Rat Fructose-1; 6-bisphosphatase 1 (FBP1) ELISA Kit; FBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 FBP1 elisa kit

Intended Uses||This FBP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FBP1. This ELISA kit for research use only!

Principle of the Assay: FBP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FBP1 antibody and an FBP1-HRP conjugate. The assay sample and buffer are incubated together with FBP1-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 FBP1 concentration since FBP1 from samples and FBP1-HRP conjugate compete for the anti-FBP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FBP1 from the sample, fewer sites are left to bind FBP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FBP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033495
NCBI GeneID	2203

Molecular Weight	36,842 Da
NCBI Official Full Name	Fructose-1,6-bisphosphatase 1
NCBI Official Synonym Full Names	fructose-1,6-bisphosphatase 1
NCBI Official Symbol	FBP1
NCBI Official Synonym Symbols	FBP
NCBI Protein Information	fructose-1,6-bisphosphatase 1; FBPase 1; liver FBPase; fructose-bisphosphatase 1; growth-inhibiting protein 17; D-fructose-1,6-bisphosphate 1-phosphohydrolase 1
UniProt Protein Name	Fructose-1,6-bisphosphatase 1
UniProt Gene Name	FBP1
UniProt Synonym Gene Names	FBP; FBPase 1
UniProt Entry Name	F16P1_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/rat-elisa-kits/fructose-1-6-bisphosphatase-1-fbp1/245703>