

Bovine FBP2 (Fructose-1,6-bisphosphatase isozyme 2) ELISA Kit | FBP2 elisa kit

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CATALOG #
AAA248760

REACTIVITY
Bovine

PRODUCT SYNONYMS

FBP2 (Fructose-1; 6-bisphosphatase isozyme 2); Bovine FBP2 (Fructose-1; 6-bisphosphatase isozyme 2) ELISA Kit; FBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of FBP2. No significant cross-reactivity or interference between FBP2 and analogues was observed.
Sequence Length	339
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FBP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FBP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a FBP2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.032	0.106	0.173	0.332	0.636	1.078	1.911	2.321

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FBP2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-FBP2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-FBP2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the FBP2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of FBP2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22907028
NCBI GeneID	8789
NCBI Accession #	NP_003828.2
NCBI GenBank Nucleotide #	NM_003837.3
UniProt Accession #	O00757; Q17R39; Q6FI53
Molecular Weight	36,743 Da
NCBI Official Full Name	fructose-1,6-bisphosphatase isozyme 2
NCBI Official Synonym Full Names	fructose-bisphosphatase 2
NCBI Official Symbol	FBP2
NCBI Protein Information	fructose-1,6-bisphosphatase isozyme 2
UniProt Protein Name	Fructose-1,6-bisphosphatase isozyme 2
UniProt Gene Name	FBP2
UniProt Synonym Gene Names	FBPase 2

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/bovine-ovine-elisa-kits/fbp2-fructose-16-bisphosphatase-isozyme-2/248760>