

Mouse Insulin-like growth factor-binding protein 7 ELISA Kit | IGFBP-7 elisa kit

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CATALOG #
AAA99979

REACTIVITY
Mouse

PRODUCT SYNONYMS

Insulin-like growth factor-binding protein 7; Mouse Insulin-like growth factor-binding protein 7 ELISA Kit; IGFBP-7/AGM/FSTL2/IBP-7/IGFBP7/IGFBP-7v/IGFBPRP1/MAC25/PSF/RAMSVPS/TAF; IGFBP-7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IGFBP-7. No significant cross-reactivity or interference between IGFBP-7 and analogues was observed.
Sequence Length	282
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IGFBP-7 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 IGFBP-7 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 IGFBP-7 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	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.063	0.099	0.19	0.305	0.662	1.119	1.608	2.231

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP-7 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IGFBP-7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- IGFBP-7 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 IGFBP-7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IGFBP-7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504619
NCBI GeneID	3490
NCBI Accession #	NP_001544.1
NCBI GenBank Nucleotide #	NM_001553.2
Molecular Weight	28,860 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 7 isoform 1
NCBI Official Synonym Full Names	insulin like growth factor binding protein 7
NCBI Official Symbol	IGFBP7
NCBI Official Synonym Symbols	AGM; PSF; TAF; FSTL2; IBP-7; MAC25; IGFBP-7; RAMSVPS; IGFBP-7v; IGFBPRP1
NCBI Protein Information	insulin-like growth factor-binding protein 7
UniProt Protein Name	Insulin-like growth factor-binding protein 7
UniProt Gene Name	IGFBP7
UniProt Synonym Gene Names	MAC25; PSF; IBP-7; IGF-binding protein 7; IGFBP-7; TAF
UniProt Entry Name	IBP7_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/igfbp-7-mouse-elisa-kits/insulin-like-growth-factor-binding-protein-7/99979>