

Mouse Insulin Like Growth Factor Binding Protein 7 (IGFBP7) ELISA Kit | IGFBP7 elisa kit

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CATALOG #
AAA138475

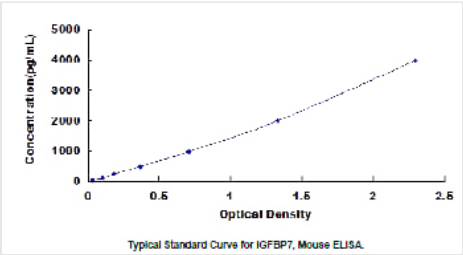
REACTIVITY
Mouse

PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 7 (IGFBP7); Mouse Insulin Like Growth Factor Binding Protein 7 (IGFBP7) ELISA Kit; FSTL2; IGFBP-7v; MAC25; PSF; TAF; IGFBP-rP1; MAC25 protein; Prostacyclin-stimulating factor; PGI2-stimulating factor; Tumor-derived adhesion factor; IGFBP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Insulin Like Growth Factor Binding Protein 7 (IGFBP7). No significant cross-reactivity or interference between Insulin Like Growth Factor Binding Protein 7 (IGFBP7) and analogues was observed.
Sequence Length	279
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	28.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Insulin Like Growth Factor Binding Protein 7 (IGFBP7) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Insulin Like Growth Factor Binding Protein 7 (IGFBP7) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP7 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Insulin Like Growth Factor Binding Protein 7 (IGFBP7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Insulin Like Growth Factor Binding Protein 7 (IGFBP7). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Insulin Like Growth Factor Binding Protein 7 (IGFBP7), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Insulin Like Growth Factor Binding Protein 7 (IGFBP7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IGFBP7 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504619
NCBI GeneID	3490
NCBI Accession #	NP_001544.1
NCBI GenBank Nucleotide #	NM_001553.2
UniProt Accession #	Q16270; Q07822; Q53YE6; Q9UCA8; B4E1N2; B7Z9W7
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.