

Human Insulin Like Growth Factor Binding Protein 4 (IGFBP4) ELISA Kit | IGFBP4 elisa kit

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CATALOG #
AAA137626

REACTIVITY
Human

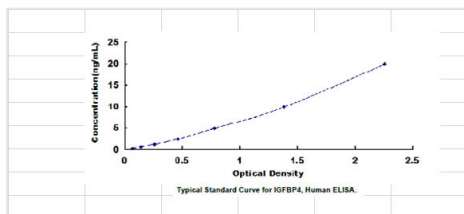
PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 4 (IGFBP4); Human Insulin Like Growth Factor Binding Protein 4 (IGFBP4) ELISA Kit; BP4; HT29-IGFBP; IBP4; IGFBP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IGFBP4. No significant cross-reactivity or interference between IGFBP4 and analogues was observed.
Sequence Length	258
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.129ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IGFBP4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IGFBP4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IGFBP4 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IGFBP4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IGFBP4. 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 IGFBP4, 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 IGFBP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IGFBP4 elisa kit	Apoptosis; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	62243290
NCBI GeneID	3487
NCBI Accession #	NP_001543.2
NCBI GenBank Nucleotide #	NM_001552.2
UniProt Accession #	P22692; Q5U012; Q9UCL6; A0N9W2; B4E351
Molecular Weight	17,635 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 4
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 4
NCBI Official Symbol	IGFBP4
NCBI Official Synonym Symbols	BP-4; IBP4; IGFBP-4; HT29-IGFBP
NCBI Protein Information	insulin-like growth factor-binding protein 4
UniProt Protein Name	Insulin-like growth factor-binding protein 4
UniProt Gene Name	IGFBP4
UniProt Synonym Gene Names	IBP4; IBP-4; IGF-binding protein 4; IGFBP-4
UniProt Entry Name	IBP4_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.