

Human IGFBP2 ELISA Kit | IGFBP2 elisa kit

Human IGFBP2 PicoKine ELISA Kit

CATALOG #
AAA45985

REACTIVITY
Human

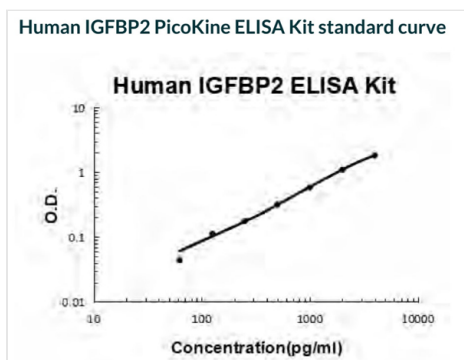
PRODUCT SYNONYMS

IGFBP2; Human IGFBP2 PicoKine ELISA Kit; Insulin-like growth factor-binding protein 2; insulin-like growth factor binding protein 2; 36kDa; BP 2; BP2; IBP 2; IBP-2; IBP2; IBP2_HUMAN; IGF binding protein 2; IGF BP53; IGF-binding protein 2; IGF-BP53; IGFBP-2; IGFBP53; Insulin Like Growth Factor Binding Protein 2; Insulin like growth factor binding protein 2 36kDa; Insulin like growth factor-binding protein 2 precursor; IGFBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IGFBP2
Sequence Length	325
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA) and urine
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP2 elisa kit	Background: Insulin-like growth factor-binding protein 2 (IGFBP2), also called IBP2, is a protein that in humans is encoded by the IGFBP2 gene. It is mapped to 2q35. By structural analysis, it showed that the IGFBP2 gene consists of 4 exons with 3 introns of lengths 27.0, 1.0, and 1.9 kb. IGFBP2 secreted by metastatic cells recruits endothelia by modulating IGF1 mediated activation of the IGF type-I receptor on endothelial cells. The IGFBP2/IGF1/IGF1R and GAS6/MERTK signaling pathways are regulators of cancer-mediated endothelial recruitment. Principle of the Assay: The Picokine™ Human IGFBP2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human IGFBP2 with a 96-well strip plate that is pre-coated with antibody specific for IGFBP2. The detection antibody is a biotinylated antibody specific for IGFBP2. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IGFBP2 with immunogen: Expression system for standard: NS0; Immunogen sequence: E40-Q328. The kit is analytically validated with ready-to-use reagents. To measure Human IGFBP2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human IGFBP2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IGFBP2 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	290457647
NCBI GeneID	3485
UniProt Accession #	P18065; Q14619; Q9UCL3
Molecular Weight	34,814 Da
NCBI Official Full Name	Insulin-like growth factor-binding protein 2
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 2, 36kDa
NCBI Official Symbol	IGFBP2
NCBI Official Synonym Symbols	IBP2; IGF-BP53
NCBI Protein Information	insulin-like growth factor-binding protein 2; IBP-2; IGFBP-2; IGF-binding protein 2
UniProt Protein Name	Insulin-like growth factor-binding protein 2
UniProt Gene Name	IGFBP2
UniProt Synonym Gene Names	BP2; IBP2; IBP-2; IGF-binding protein 2; IGFBP-2
UniProt Entry Name	IBP2_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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