

Human IGFBP-3 ELISA Kit | IGFBP-3 elisa kit

IGFBP-3 Human ELISA Kit

CATALOG # AAA59040	REACTIVITY Human	APPLICATIONS ELISA
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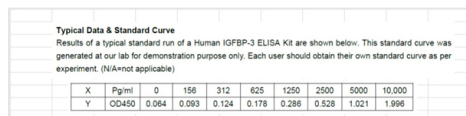
PRODUCT SYNONYMS

IGFBP-3; IGFBP-3 Human ELISA Kit; Human IGFBP-3; IGFBP-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Human serum, plasma, body fluids, tissue lysates or cell culture supernatants
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 10 pg/ml
Applicable Applications for IGFBP-3 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP-3 elisa kit

Background: Insulin-like growth factor-binding protein 3, also known as IGFBP3, is a member of the insulin-like growth factor-binding protein (IGFBP) family. This protein has an IGFBP domain and a thyroglobulin type-I domain. It forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. It plays a role in controlling angiogenesis and cell responses in the human corpus luteum by autocrine/paracrine mechanisms. IGFBP3 protein levels decrease during the progression of prostate cancer from benign prostatic hyperplasia (BPH) to its metastatic form.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IGFBP-3 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IGFBP-3 polyclonal 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. Avidin-Biotin-Peroxidase Complex 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-3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IGFBP-3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62243248
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NCBI GeneID	3486
NCBI Accession #	NP_001013416.1
NCBI GenBank Nucleotide #	NM_001013398.1
UniProt Accession #	P17936; Q2V509; Q6P1M6; Q9UCL4; A4D2F5; D3DVM0
Molecular Weight	31,674 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 3 isoform a
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 3
NCBI Official Symbol	IGFBP3
NCBI Official Synonym Symbols	IBP3; BP-53
NCBI Protein Information	insulin-like growth factor-binding protein 3; IBP-3; IGFBP-3; binding protein 29; binding protein 53; IGF-binding protein 3; growth hormone-dependent binding protein; acid stable subunit of the 140 K IGF complex
UniProt Protein Name	Insulin-like growth factor-binding protein 3
UniProt Gene Name	IGFBP3
UniProt Synonym Gene Names	IBP3; IBP-3; IGF-binding protein 3; IGFBP-3
UniProt Entry Name	IBP3_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/human-elisa-kits/igfbp-3/59040>