

Human Insulin-like growth factor-binding protein 1 ELISA Kit | IGFBP-1 elisa kit

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CATALOG #
AAA100226

REACTIVITY
Human

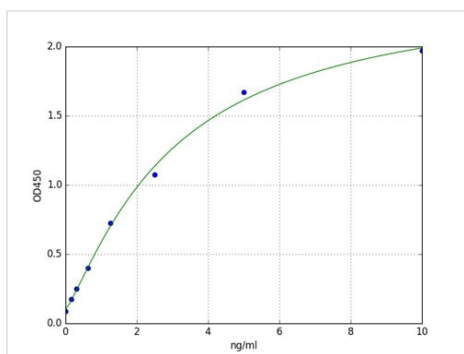
PRODUCT SYNONYMS

Insulin-like growth factor-binding protein 1; Human Insulin-like growth factor-binding protein 1 ELISA Kit; IGFBP-1/IGFBP1/AFBP/IBP1/IGF-BP25/PP12/placental protein 12; IGFBP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	259
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a IGFBP-1 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	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.045	0.097	0.128	0.239	0.434	0.825	1.479	2.468

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP-1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IGFBP-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IGFBP-1 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-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IGFBP-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504615
NCBI GeneID	3484
NCBI Accession #	NP_000587.1
NCBI GenBank Nucleotide #	NM_000596.2
Molecular Weight	27,904 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 1
NCBI Official Synonym Full Names	insulin like growth factor binding protein 1
NCBI Official Symbol	IGFBP1
NCBI Official Synonym Symbols	AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1
NCBI Protein Information	insulin-like growth factor-binding protein 1
UniProt Protein Name	Insulin-like growth factor-binding protein 1
UniProt Gene Name	IGFBP1
UniProt Synonym Gene Names	IBP1; IBP-1; IGF-binding protein 1; IGFBP-1; PP12
UniProt Entry Name	IBP1_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-1-human-elisa-kits/insulin-like-growth-factor-binding-protein-1/100226>