

Human IGFBP6/IBP6 ELISA Kit | IGFBP6/IBP6 elisa kit

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CATALOG #
AAA258452

REACTIVITY
Human

PRODUCT SYNONYMS

IGFBP6/IBP6; Human IGFBP6/IBP6 ELISA Kit; IGFBP-6 ELISA Kit; Human; insulin-like growth factor binding protein 6; IBP6 ELISA Kit; IGFBP6/IBP6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human IGFBP6/IBP6 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	9.38-600pg/mL
Sensitivity	3.26pg/mL
Conjugation	HRP
Interference	Preparations of the factors listed below at 50ng/mL in a mid-range recombinant human IGFBP6 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

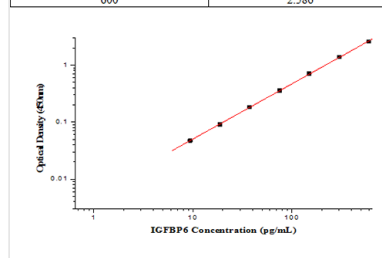
IMAGES

Recombinant human			
IGFBP3	IGFBP4	IGFBP7	IL-1
IL-2	IL-33	IL-10	IL-8
TNF- α	IL-4	IL-6	IFN- γ
MIP-1 β	TIMP-1	TIMP-2	GM-CSF
SCF	PDGF	VEGF	
Recombinant mouse			
IGFBP6			

Application Data

This assay recognizes both recombinant and natural Human IGFBP6. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
9.38	0.047
18.75	0.091
37.5	0.185
75	0.358
150	0.710
300	1.378
600	2.586



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IGFBP6/IBP6 elisa kit	This IGFBP-6 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IGFBP-6 protein in Serum. It contains recombinant Human IGFBP-6, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Insulin-like growth factor-binding protein 6 (IGFBP6) is a 24-kDa protein that binds insulin-like growth factor 1 (IGF-1) and IGF-2 with high affinity and inhibits IGF action in vitro. The Insulin-like growth factor-binding protein also known as IGFBP serves as a carrier protein for Insulin-like growth factor 1. IGFBPs are distinct but are sharing regions with strong homology. All members of the IGFBP family bind IGF-I and IGF-II with about equal affinity. Insulin-like growth factor (IGF) binding proteins (IGFBPs) have been shown to either inhibit or enhance the action of IGF or act in an IGF-independent manner in the prostate. IGF-binding protein-4 (IGFBP-4) inhibits IGF-I action in vitro and is the most abundant IGFBP in the rodent arterial wall. IGFBP6 is directly downregulated by the beta-catenin/TCF complex in desmoid tumors, and imply a role for the IGF axis in the proliferation of desmoid tumors. There is mounting evidence that the structure of the IGFBP proteins plays a key role in the regulation of IGF bioavailability, by modulating its molecular size, capillary membrane permeability, target tissue specificity, cell membrane adherence, and IGF affinity.
References	Denys H, et al. (2004) Identification of IGFBP-6 as a significantly downregulated gene by beta-catenin in desmoid tumors. Oncogene. 23(3): 654-64. Bach LA. Insulin-like growth factor binding protein-6: the "forgotten" binding protein. Horm Metab Res. 31(2-3): 226-34. Bach LA. IGFBP-6 five years on; not so 'forgotten' Growth Horm IGF Res. 15(3): 185-92.

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://www.aaabiotech.com/human-elisa-kits/igfbp6-ibp6/258452>