

Human IGFBP-1 ELISA Kit | IGFBP1 elisa kit

Human IGFBP-1 PicoKine ELISA Kit

CATALOG #
AAA45251

REACTIVITY
Human

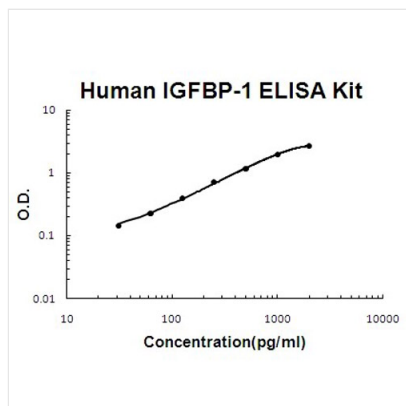
PRODUCT SYNONYMS

IGFBP-1; Human IGFBP-1 PicoKine ELISA Kit; Insulin-like growth factor-binding protein 1; insulin-like growth factor binding protein 1; AFBP; hIGFBP-1; IBP1; IGF-binding protein 1; IGF-BP25; Placental protein 12; PP12; IGFBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IGFBP-1
Sequence Length	259
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and urine
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 1pg/ml
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)

Human IGFBP-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IGFBP1 elisa kit	Principle of the assay: human IGFBP-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IGFBP-1 has been precoated onto 96-well plates. Standards(NSO,A26-N259) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IGFBP-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human IGFBP-1 amount of sample captured in plate. Background: IGFBP1 is also known as amniotic fluid binding protein (AFBP), placental protein-12, alpha-pregnancy-associated endometrial globulin, growth hormone independent binding protein, binding protein-28, binding protein-26, and binding protein-25.1 The low-molecular weight insulin-like growth-factor binding protein (IGF-BP25) is synthesized by human liver, secretory endometrium and decidua, and is also present in human serum. It binds insulin-like growth factors IGF-I and IGF-II with high affinity, and is proposed to act as a paracrine regulator of cell growth.2 These IGF-binding proteins are expressed at different concentrations in different tissues and are thought to regulate the activity of IGF I and II.3 The gene is organized in four exons and spans 5.9 kb.4 The IBP-1 gene is a single copy gene, located on chromosome 7.5 The standard product used in this kit is recombinant human IGFBP-1, consisting of 234 amino acids with the molecular mass of 25KDa..
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124055
NCBI GeneID	3484
UniProt Accession #	P08833; Q8IYP5; A4D2F4; D3DVL9
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; IBP-1; IGFBP-1; binding protein-25; binding protein-26; binding protein-28; placental protein 12; IGF-binding protein 1; amniotic fluid binding protein; growth hormone independent-binding protein; alpha-pregnancy-associated endometrial globulin
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.