

Mouse IGFBP-3 ELISA Kit | IGFBP3 elisa kit

Mouse IGFBP-3 PicoKine ELISA Kit

CATALOG #
AAA45351

REACTIVITY
Mouse

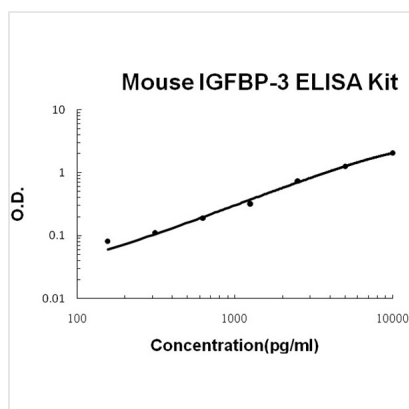
PRODUCT SYNONYMS

IGFBP-3; Mouse IGFBP-3 PicoKine ELISA Kit; Insulin-like growth factor-binding protein 3; insulin-like growth factor binding protein 3; Acid stable subunit of the 140 K IGF complex; Binding protein 29; Binding protein 53; BP 53; BP53; Growth hormone dependent binding protein; IBP 3; IBP3; IGF binding protein 3; IGFBP 3; Insulin Like Growth Factor Binding Protein 3; IGFBP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IGFBP-3
Sequence Length	75
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/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)

Mouse IGFBP-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IGFBP3 elisa kit	Principle of the assay: mouse IGFBP-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IGFBP-3 has been precoated onto 96-well plates. Standards (NSO,G28Q-K291) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IGFBP-3 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 mouse IGFBP-3 amount of sample captured in plate. Background: Insulin-like growth factor (IGF)-binding protein-3 (IGFBP-3) is a major determinant of circulating levels of the IGFs and is clinically useful for the evaluation of GH deficiency and for predicting the response to GH treatment. The circulating level of IGFBP-3 is inversely related to the risk of several common cancers, and that antiproliferative agents such as antiestrogens and retinoids act in part by up-regulating IGFBP-3 gene (IGFBP3) expression.¹Insulin-like growth factor-binding protein (IGFBP)-3, well characterized as the carrier of insulin-like growth factor (IGF), has been reported to have intrinsic bioactivity that is independent of IGF binding. IGFBP-3 has an IGF-independent, antiproliferative effect in undifferentiated and early differentiated but not in terminally differentiated chondrocytes.² IGFBP-3 possesses both growth-inhibitory and potentiating effects on cells that are independent of IGF action and are mediated through specific. IGFBP-3 binding proteins/receptors locate at the cell membrane, cytosol, or nuclear compartments and in the extracellular matrix.³ IGFBP3 is also located on chromosome 7.4 The standard product used in this kit is recombinant mouse IGFBP-3, consisting of 270 amino acids with the molecular mass of 29.4kDa. As a result of glycosylation, the molecular mass is 40-50kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	3486
UniProt Accession #	B3KPF0; P17936
Molecular Weight	8,708 Da
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	cDNA FLJ31712 fis, clone NT2RI2006445, highly similar to Insulin-like growth factor-binding protein 3
UniProt Entry Name	B3KPF0_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.