

Mouse IGFBP5 ELISA Kit | IGFBP5 elisa kit

Mouse IGFBP5 PicoKine ELISA Kit

CATALOG #
AAA45904

REACTIVITY
Mouse

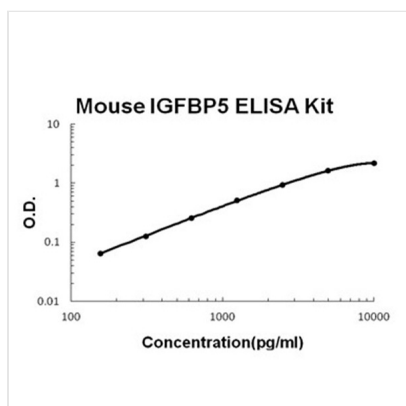
PRODUCT SYNONYMS

IGFBP5; Mouse IGFBP5 PicoKine ELISA Kit; Insulin-like growth factor-binding protein 5; insulin-like growth factor binding protein 5; IBP 5; IBP-5; IBP5; IBP5_HUMAN; IGF binding protein 5; IGF BP5; IGF-binding protein 5; IGFBP 5; IGFBP-5; Insulin like growth factor binding protein 5; IGFBP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IGFBP5
Sequence Length	271
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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 IGFBP5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IGFBP5 elisa kit	Principle of the assay: mouse IGFBP5 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IGFBP5 has been precoated onto 96-well plates. Standards(NSO, L20-E271) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IGFBP5 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 IGFBP5 amount of sample captured in plate. Background: Insulin-like growth factor-binding protein 5 is a protein that in humans is encoded by the IGFBP5 gene. The IGFBP5 gene was mapped to chromosome 2q33-q34. The expression of IGFBP5 by stable transfection and adenovirus-mediated infection was inhibitory to growth in 2 human breast cancer cell lines. Stable expression of IGFBP5 in the breast cancer cell lines also inhibited the formation and growth of tumors following injection in athymic mice. IGFBP5 is believed a growth inhibitor and proapoptotic agent in breast cancer cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	585294
NCBI GeneID	16011
UniProt Accession #	Q07079
Molecular Weight	30,372 Da
NCBI Official Full Name	Insulin-like growth factor-binding protein 5
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 5
NCBI Official Symbol	Igfbp5
NCBI Official Synonym Symbols	IGFBP-5; AI256729; AW208790; IGFBP-5P
NCBI Protein Information	insulin-like growth factor-binding protein 5; IBP-5; IGF-binding protein 5
UniProt Protein Name	Insulin-like growth factor-binding protein 5
UniProt Gene Name	Igfbp5
UniProt Synonym Gene Names	Igfbp-5; IBP-5; IGF-binding protein 5; IGFBP-5
UniProt Entry Name	IBP5_MOUSE

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.