

Mouse IGFBP1 ELISA Kit | IGFBP1 elisa kit

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CATALOG # AAA105744	REACTIVITY Mouse	APPLICATIONS ELISA
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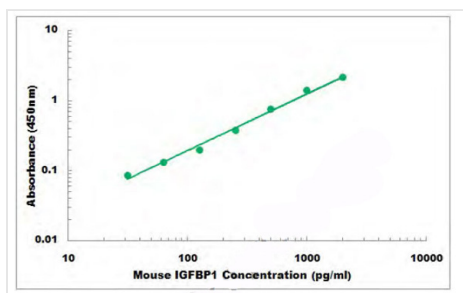
PRODUCT SYNONYMS

IGFBP1; Mouse IGFBP1 ELISA Kit; IBP1; Insulin-like growth factor-binding protein 1; IBP-1; IGF-binding protein 1; IGFBP-1; Placental protein 12; PP12; IGFBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse IGFBP1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse IGFBP1 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	272
Samples	Cell Culture Supernatants, Serum, Plasma.
Assay Type	Sandwich
Sensitivity	The minimum detectable dose of Mouse IGFBP1 is typically less than 3 pg/ml.
Applicable Applications for IGFBP1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP1 elisa kit	Principle of the Assay: The Mouse IGFBP1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse IGFBP1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse IGFBP1 coated on a 96-well plate. Standards and samples are pipetted into the wells and IGFBP1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse IGFBP1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IGFBP1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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. 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. These IGF-binding proteins are expressed at different concentrations in different tissues and are thought to regulate the activity of IGF I and II. The gene is organized in four exons and spans 5.9 kb. The IBP-1 gene is a single copy gene, located on chromosome 7.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160358847
NCBI GeneID	16006
NCBI Accession #	NP_032367.3
NCBI GenBank Nucleotide #	NM_008341.4
UniProt Accession #	P47876; Q5SVY8; Q61732
Molecular Weight	29,570 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 Protein Information	insulin-like growth factor-binding protein 1; IBP-1; IGF-binding protein 1; INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 PRECURSOR (IGFBP-1) (IBP-1) (IGF-BINDING PROTEIN 1)
UniProt Protein Name	Insulin-like growth factor-binding protein 1
UniProt Gene Name	Igfbp1
UniProt Synonym Gene Names	Igfbp-1; IBP-1; IGF-binding protein 1; IGFBP-1
UniProt Entry Name	IBP1_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.