

Rat Insulin Like Growth Factor Binding Protein 1 (IGFBP1) ELISA Kit | IGFBP1 elisa kit

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CATALOG #
AAA65285

REACTIVITY
Rat

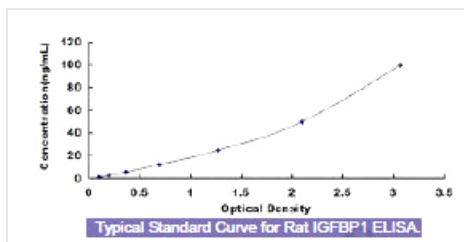
PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 1 (IGFBP1); Rat Insulin Like Growth Factor Binding Protein 1 (IGFBP1) ELISA Kit; IBP1; AFBP; IGF-BP25; PP12; Placental Protein 12; Amniotic Fluid Binding Protein; Alpha-Pregnancy-Associated Endometrial Globulin; Growth Hormone Independent-Binding Protein; IGFBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IGFBP1. No significant cross-reactivity or interference between IGFBP1 and analogues was observed.
Sequence Length	272
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.55ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IGFBP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IGFBP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IGFBP1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IGFBP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IGFBP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IGFBP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IGFBP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981080
NCBI GeneID	25685
NCBI Accession #	NP_037276.1
NCBI GenBank Nucleotide #	NM_013144.1
UniProt Accession #	P21743
Molecular Weight	29,684 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	IBP1; IGFB1; IGF-BP25
NCBI Protein Information	insulin-like growth factor-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

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://stage.aaabiotech.com/rat-elisa-kits/insulin-like-growth-factor-binding-protein-1-igfbp1/65285>