

Rat IGFBP-3 ELISA Kit | IGFBP-3 elisa kit

Rat IGFBP-3 (Insulin-Like Growth Factor Binding Protein 3) ELISA Kit

CATALOG #
AAA21906

REACTIVITY
Rat

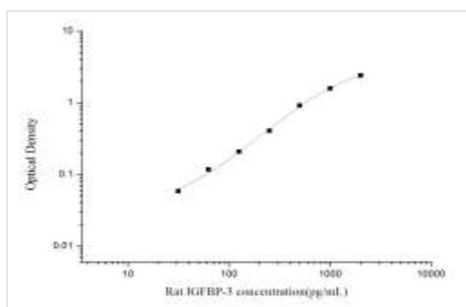
PRODUCT SYNONYMS

IGFBP-3; Rat IGFBP-3 (Insulin-Like Growth Factor Binding Protein 3) ELISA Kit; IGFBP-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat IGFBP-3 in samples. No significant cross-reactivity or interference between Rat IGFBP-3 and analogues was observed.
Sequence Length	291
Assay Type	Quantitative Sandwich
Samples	Serum and plasma, please inquire if your samples are other biological fluids
Detection Range	31.25-2000pg/mL
Sensitivity	18.75pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat IGFBP-3 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat IGFBP-3 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP-3 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat IGFBP-3. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat IGFBP-3 and AvidinHorseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat IGFBP-3, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Rat IGFBP-3. You can calculate the concentration of Rat IGFBP-3 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat IGFBP-3 concentrations in serum and plasma, please inquire if your samples are other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62243068
NCBI GeneID	3486
NCBI Accession #	NP_000589.2
NCBI GenBank Nucleotide #	NM_000598.4
UniProt Accession #	P17936; Q2V509; Q6P1M6; Q9UCL4; A4D2F5; D3DVM0
Molecular Weight	32,223 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 3 isoform b
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; IGF-binding protein 3; IGFBP-3; acid stable subunit of the 140 K IGF complex; binding protein 29; binding protein 53; growth hormone-dependent binding protein
UniProt Protein Name	Insulin-like growth factor-binding protein 3
UniProt Gene Name	IGFBP3
UniProt Synonym Gene Names	IBP3; IBP-3; IGF-binding protein 3; IGFBP-3
UniProt Entry Name	IBP3_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.