

Rat IGFBP5 ELISA Kit | IGFBP5 elisa kit

Rat IGFBP5 ELISA Kit

CATALOG # AAA261689	REACTIVITY Rat	APPLICATIONS ELISA
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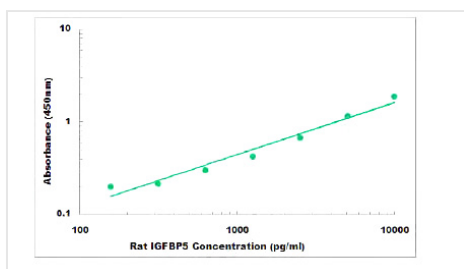
PRODUCT SYNONYMS

IGFBP5; Rat IGFBP5 ELISA Kit; IBP5; Insulin-like growth factor-binding protein 5; IBP-5; IGF-binding protein 5; IGFBP-5; IGFBP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat IGFBP5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat IGFBP5 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	272
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for IGFBP5 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 IGFBP5 elisa kit

Principle of the Assay||The Rat IGFBP5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat IGFBP5 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat IGFBP5 coated on a 96-well plate. Standards and samples are pipetted into the wells and IGFBP5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat IGFBP5 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 IGFBP5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124069
NCBI GeneID	3488
UniProt Accession #	P24593; Q5U0A3
Molecular Weight	30,570 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	IBP5
NCBI Protein Information	insulin-like growth factor-binding protein 5
UniProt Protein Name	Insulin-like growth factor-binding protein 5
UniProt Gene Name	IGFBP5
UniProt Synonym Gene Names	IBP5; IBP-5; IGF-binding protein 5; IGFBP-5
UniProt Entry Name	IBP5_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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/igfbp5/261689>