

Porcine IGFBP-5 ELISA Kit | IGFBP-5 elisa kit

Porcine IGFBP-5 (Insulin Like Growth Factor Binding Protein 5) ELISA Kit

CATALOG #
AAA164551

REACTIVITY
Porcine

PRODUCT SYNONYMS

IGFBP-5; Porcine IGFBP-5 (Insulin Like Growth Factor Binding Protein 5) ELISA Kit; IGFBP-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This kit recognizes Porcine IGFBP-5 in samples. No significant cross-reactivity or interference between Porcine IGFBP-5 and analogues was observed.
Sequence Length	272
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.94ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Porcine IGFBP-5 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 Porcine IGFBP-5 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for IGFBP-5 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 Porcine IGFBP-5. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Porcine IGFBP-5 and Avidin-Horseradish 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 Porcine IGFBP-5, 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 nm $\pm$ 2 nm. The OD value is proportional to the concentration of Porcine IGFBP-5. You can calculate the concentration of Porcine IGFBP-5 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 Porcine IGFBP-5 concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834982
NCBI GeneID	3488
NCBI Accession #	NP_000590.1

NCBI GenBank Nucleotide #	NM_000599.3
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; IBP-5; IGF-binding protein 5; IGFBP-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://www.aaabiotech.com/porcine-elisa-kits/igfbp-5/164551>