

Porcine Insulin Like Growth Factor Binding Protein 3 (IGFBP3) ELISA Kit | IGFBP3 elisa kit

Porcine Insulin Like Growth Factor Binding Protein 3 (IGFBP3) ELISA Kit

CATALOG #
AAA138433

REACTIVITY
Porcine

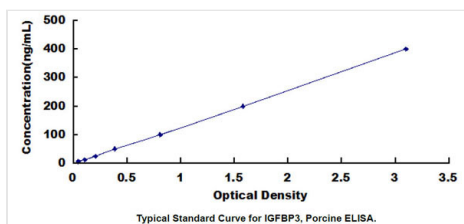
PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 3 (IGFBP3); Porcine Insulin Like Growth Factor Binding Protein 3 (IGFBP3) ELISA Kit; BP53; IBP3; Growth Hormone-Dependent Binding Protein; Acid Stable Subunit Of The 140 K IGF Complex; IGFBP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of IGFBP3. No significant cross-reactivity or interference between IGFBP3 and analogues was observed.
Sequence Length	291
Assay Type	Quantitative Sandwich
Samples	Porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	< 2.52ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IGFBP3 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 IGFBP3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IGFBP3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IGFBP3. 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 IGFBP3, 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 IGFBP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IGFBP3 in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IGFBP3 elisa kit	Metabolic pathway; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	27807007
NCBI GeneID	282261
NCBI Accession #	NP_776981.1
NCBI GenBank Nucleotide #	NM_174556.1
UniProt Accession #	P20959; Q9GJV5; A6QPI3
Molecular Weight	31,570 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 3
NCBI Official Symbol	IGFBP3
NCBI Official Synonym Symbols	IGFBP-3
NCBI Protein Information	insulin-like growth factor-binding protein 3
UniProt Protein Name	Insulin-like growth factor-binding protein 3
UniProt Gene Name	IGFBP3
UniProt Synonym Gene Names	IBP-3; IGF-binding protein 3; IGFBP-3
UniProt Entry Name	IBP3_BOVIN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/porcine-elisa-kits/insulin-like-growth-factor-binding-protein-3-igfbp3/138433>