

Bovine PTX3 (Pentraxin 3) ELISA Kit | PTX3 elisa kit

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CATALOG #
AAA251202

REACTIVITY
Bovine

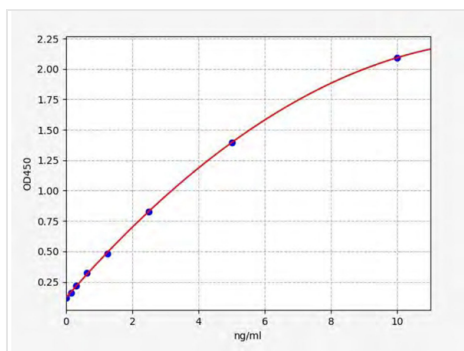
PRODUCT SYNONYMS

PTX3 (Pentraxin 3); Bovine PTX3 (Pentraxin 3) ELISA Kit; PTX3; TSG-14; alpha-induced protein 5; pentaxin-related gene; rapidly induced by IL-1 beta; tumor necrosis factor; Pentaxin-related protein PTX3; pentraxin 3; long; pentraxin-3; pentraxin-related gene; pentraxin-related protein PTX3; TNF alpha-induced protein 5; TNFAIP5; TSG14; TSG-14pentaxin-related gene; Tumor necrosis factor-inducible gene 14 protein; tumor necrosis factor-inducible protein TSG-14; PTX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	Specifically recognize PTX3, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTX3 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti PTX3 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti PTX3 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with PTX3 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of PTX3 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115495701
NCBI GeneID	541148
NCBI Accession #	NP_001069727.1
NCBI GenBank Nucleotide #	NM_001076259.2
UniProt Accession #	Q0VCG9
Molecular Weight	42,021 Da
NCBI Official Full Name	pentraxin-related protein PTX3
NCBI Official Synonym Full Names	pentraxin 3, long
NCBI Official Symbol	PTX3
NCBI Protein Information	pentraxin-related protein PTX3; pentaxin-related protein PTX3; pentraxin-related gene, rapidly induced by IL-1 beta
UniProt Protein Name	Pentraxin-related protein PTX3
UniProt Gene Name	PTX3
UniProt Entry Name	PTX3_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.

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Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/ptx3-pentraxin-3/251202>