

Rat Pentraxin 3, Long (PTX3) ELISA Kit | PTX3 elisa kit

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CATALOG #
AAA66162

REACTIVITY
Rat

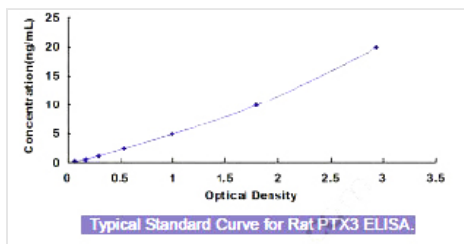
PRODUCT SYNONYMS

Pentraxin 3; Long (PTX3); Rat Pentraxin 3; Long (PTX3) ELISA Kit; TNFAIP5; TSG-14; Pentaxin-Related Gene; Rapidly Induced By IL-1 Beta; Tumor Necrosis Factor Alpha-Induced Protein 5; Tumor necrosis factor-inducible gene 14 protein; PTX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PTX3. No significant cross-reactivity or interference between PTX3 and analogues was observed.
Sequence Length	381
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.105ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTX3 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 PTX3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTX3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTX3 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PTX3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PTX3. 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 PTX3, 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 PTX3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157817545
NCBI GeneID	689388
NCBI Accession #	NP_001103006.1
NCBI GenBank Nucleotide #	NM_001109536.1
UniProt Accession #	D3ZT94
Molecular Weight	42,051 Da
NCBI Official Full Name	pentraxin-related protein PTX3
NCBI Official Synonym Full Names	pentraxin 3
NCBI Official Symbol	Ptx3
NCBI Protein Information	pentraxin-related protein PTX3
UniProt Protein Name	Pituitary homeobox 3
UniProt Gene Name	Ptx3

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.