

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

Human Anti-Pentraxin 3, Long Antibody (Anti-PTX3) ELISA Kit

CATALOG # AAA188376	REACTIVITY Human	APPLICATIONS ELISA
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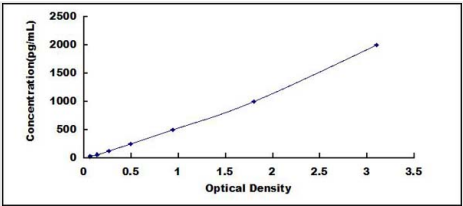
PRODUCT SYNONYMS

Pentraxin 3; Long (PTX3); Human Anti-Pentraxin 3; Long Antibody (Anti-PTX3) ELISA Kit; Long; 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-Pentraxin 3, Long Antibody (Anti-PTX3). No significant cross-reactivity or interference between Anti-Pentraxin 3, Long Antibody (Anti-PTX3) and analogues was observed.
Sequence Length	381
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 13.3pg/mL
Applicable Applications for PTX3 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-Pentraxin 3, Long Antibody (Anti-PTX3) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-Pentraxin 3, Long Antibody (Anti-PTX3) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-Pentraxin 3, Long Antibody (Anti-PTX3) 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 Anti-Pentraxin 3, Long Antibody (Anti-PTX3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167900484
NCBI GeneID	5806
NCBI Accession #	NP_002843.2
NCBI GenBank Nucleotide #	NP_002843.2
UniProt Accession #	P26022
NCBI Official Full Name	pentraxin-related protein PTX3
NCBI Official Synonym Full Names	pentraxin 3
NCBI Official Symbol	PTX3
NCBI Official Synonym Symbols	TSG-14; TNFAIP5
NCBI Protein Information	pentraxin-related protein PTX3
UniProt Protein Name	Pentraxin-related protein PTX3
UniProt Gene Name	PTX3
UniProt Synonym Gene Names	TNFAIP5; TSG14; TNF alpha-induced protein 5; TSG-14
UniProt Entry Name	PTX3_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/human-elisa-kits/pentraxin-3-long-ptx3/188376>