

Human pentraxin-related gene, rapidly induced by IL-1 beta ELISA Kit | PTX3 elisa kit

Human Pentraxin 3, PTX3 ELISA Kit

CATALOG #
AAA80489

REACTIVITY
Human

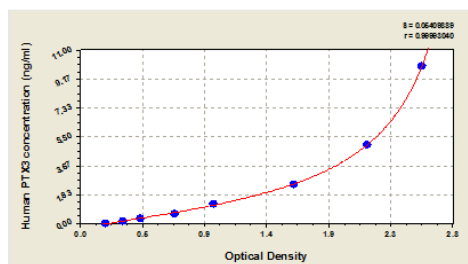
PRODUCT SYNONYMS

pentraxin-related gene; rapidly induced by IL-1 beta; Human Pentraxin 3; PTX3 ELISA Kit; Human Pentraxin 3 (PTX3) ELISA Kit; TNFAIP5; TSG-14; pentaxin-related gene; tumor necrosis factor; alpha-induced protein 5; pentaxin-related protein PTX3; pentraxin 3; pentraxin-3; alph; PTX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PTX3. No significant cross-reactivity or interference between human PTX3 and analogues was observed.
Sequence Length	381
Samples	Serum, cell culture supernates, tissue homogenates, plasma
Assay Type	Sandwich
Detection Range	0.156 ng/ml -10 ng/ml.
Sensitivity	The minimum detectable dose of human PTX3 is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTX3 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PTX3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTX3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTX3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTX3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167900484
NCBI GeneID	5806
NCBI Accession #	NP_002843.2
NCBI GenBank Nucleotide #	NM_002852.3
UniProt Accession #	P26022; Q38M82; B2R6T6
Molecular Weight	41,976 Da
NCBI Official Full Name	pentraxin-related protein PTX3
NCBI Official Synonym Full Names	pentraxin 3, long
NCBI Official Symbol	PTX3
NCBI Official Synonym Symbols	TSG-14; TNFAIP5
NCBI Protein Information	pentraxin-related protein PTX3; pentraxin-3; TNF alpha-induced protein 5; pentaxin-related protein PTX3; tumor necrosis factor alpha-induced protein 5; tumor necrosis factor, alpha-induced protein 5; tumor necrosis factor-inducible protein TSG-14; tumor necrosis factor-inducible gene 14 protein; pentraxin-related gene, rapidly induced by IL-1 beta; pentaxin-related gene, rapidly induced by IL-1 beta, tumor necrosis factor, alpha-induced protein 5
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/ptx3-human-elisa-kits/pentraxin-related-gene-rapidly-induced-by-il-1-beta/80489>