

Human PTX3 ELISA Kit | PTX3 elisa kit

Human PTX3 ELISA Kit

CATALOG # AAA105998	REACTIVITY Human	APPLICATIONS ELISA
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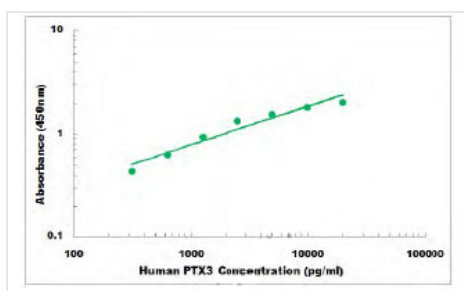
PRODUCT SYNONYMS

PTX3; Human PTX3 ELISA Kit; TNFAIP5; TSG14; Pentraxin-related protein PTX3; Pentaxin-related protein PTX3; Tumor necrosis factor alpha-induced protein 5; TNF alpha-induced protein 5; Tumor necrosis factor-inducible gene 14 protein; TSG-14; PTX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human PTX3 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human PTX3 proteins within the range of 312 pg/ml - 20000 pg/ml.
Sequence Length	381
Samples	Cell Culture Supernatants, Serum, Plasma
Assay Type	Quantitative Sandwich
Sensitivity	<10 pg/ml.
Applicable Applications for PTX3 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTX3 elisa kit	Principle of the Assay: MBS Human PTX3 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human PTX3 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human PTX3 coated on a 96-well plate. Standards and samples are pipetted into the wells and PTX3 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human PTX3 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of PTX3 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: PTX3 (Pentraxin 3) is a member of the pentraxin superfamily. This super family characterized by cyclic multimeric structure. The PTX3 gene is mapped to 3q25.32. The predicted 381-amino acid PTX3 protein has homology to the pentraxin protein family. Significant levels of PTX3 were detected in plasma of neutropenic patients with systemic A. PTX3 is effective in preventing CMV infection and reactivation, as well as subsequent Aspergillus infection. PTX3 activates the classical pathway of complementactivation and facilitates pathogen recognition by macrophages and DCs.
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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/human-elisa-kits/ptx3/105998>