

Human PTX3/Pentraxin 3 ELISA Kit | PTX3 elisa kit

Human PTX3/Pentraxin 3 PicoKine ELISA Kit

CATALOG #
AAA11592

REACTIVITY
Human

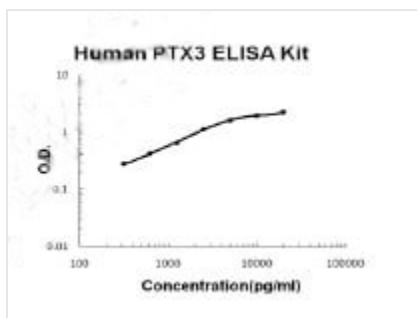
PRODUCT SYNONYMS

PTX3/Pentraxin 3; Human PTX3/Pentraxin 3 PicoKine ELISA Kit; Pentraxin-related protein PTX3; pentraxin 3; long; AI607804; Pentaxin 3; Pentaxin-related protein PTX3; Pentraxin 3 long; Pentraxin-related gene; Pentraxin-related gene rapidly induced by IL-1 beta; PTX3; PTX3_HUMAN; TNF alpha-induced protein 5; TNFAIP5; TSG-14; TSG14; Tumor necrosis factor alpha-induced protein 5; Tumor necrosis factor-inducible gene 14 protein; Tumor necrosis factor-inducible protein TSG-14; PTX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PSG1
Sequence Length	381
Samples	Cell Culture Supernates, Serum, Plasma(Heparin Or Edta) And Urine
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTX3 elisa kit	Principle of the Assay: The Picokine Human PSG1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PSG1 with a 96-well strip plate that is pre-coated with antibody specific for PSG1. The detection antibody is a biotinylated antibody specific for PSG1. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human PSG1 with immunogen: Expression system for standard: NSO, Immunogen sequence: Q35-P419. The kit is analytically validated with ready to use reagents. To measure Human PSG1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human PSG1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PSG1 in the sample!!Background/Introduction: The PSG1 is a semi-automatic sniper rifle, Pregnancy-specific beta-1 glycoprotein 1 (PSG-1) is also known as SP1, PSbG1, or B1G1, and is designated CD66f. It is mapped to 19q13.2. The human placenta is a multihormonal endocrine organ that produces hormones, enzymes, and other molecules that support fetal survival and development. Pregnancy-specific beta-1-glycoprotein (PSBG, PSG) is a major product of the syncytiotrophoblast, reaching concentrations of 100 to 290 mg/l at term in the serum of pregnant women. PSG is a member of the immunoglobulin (Ig) superfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296452984
NCBI GeneID	5806
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-pentraxin-3/11592>