

## Datasheet for ABIN6720329 **PTX3 ELISA Kit**



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### Overview

Quantity:	1 kit
Target:	PTX3
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), Saliva, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: AI607804, Pentaxin 3, Pentaxin-related protein PTX3, Pentraxin 3 long, Pentraxin-related gene, Pentraxin-related gene rapidly induced by IL-1 beta, Pentraxin-related protein PTX3, 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</p> <p>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.</p>

## Product Details

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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 complement activation and facilitates pathogen recognition by macrophages and DCs.

Gene Name: PTX3

Production: Natural and recombinant human PTX3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E18-S381

## Target Details

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Target: PTX3

Alternative Name: PTX3 - Pentraxin 3 ([PTX3 Products](#))

Gene ID: 5806

NCBI Accession: [NP\\_002843](#)

UniProt: [P26022](#)

## Application Details

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Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 20000pg/mL, 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL human PTX3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(EDTA) or saliva to each empty well. It is recommended that each human PTX3 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Sodium EDTA

ELISA Dilution: 312pg/mL-20000pg/mL

Other Performance Data: DOE: 2-8° C - 04/09/18 -20° C - 10/10/18

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

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Storage: RT, 4 °C, -20 °C

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Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.