

Datasheet for ABIN6719940 **PTX3 ELISA Kit**



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Overview

Quantity:	1 kit
Target:	PTX3
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), 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

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 mouse PTX3. There is no detectable cross-reactivity with other relevant proteins.

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

Target Details

Target:	PTX3
Alternative Name:	PTX3 - Pentraxin 3 (PTX3 Products)
Gene ID:	19288
NCBI Accession:	NP_033013
UniProt:	P48759

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL mouse 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 mouse cell culture supernates, serum or plasma(EDTA) to each empty well. We recommend that each mouse PTX3 standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Sodium EDTA

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Handling

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.