

Datasheet for KOA0521**Human PTX3 - Pentraxin 3 ELISA Kit****Overview**

Description:	Human PTX3/Pentraxin 3 AccuSignal ELISA Kit - KOA0521
Item No.:	KOA0521
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	312 pg/ml - 20000 pg/ml

Product Details

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 complement activation and facilitates pathogen recognition by macrophages and DCs.
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
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	PTX3
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: E18-S381

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

Relevant Links:

- [UniProtKB - P26022](#)
- [NCBI - NP_002843.2](#)
- [GeneID - 5806](#)
- [KOA0521 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 312pg/ml-20000pg/ml

Other: DOE:
2-8° C - 07/05/2024
-20° C - 01/03/2025

Formulation

Concentration: 1 Kit

Anticoagulant: Sodium EDTA

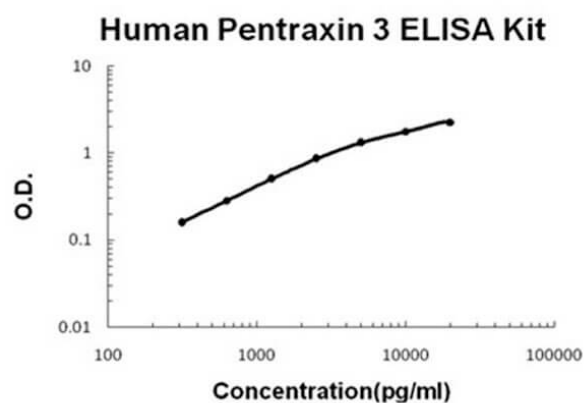
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: 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.

Expiration: See kit insert for complete instructions.

Images



ELISA

Human PTX3/Pentraxin 3 AccuSignal ELISA Kit standard curve. Assay Range: 312pg/ml-20000pg/ml.

Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.