

Datasheet for KOA0821**Human TFPI2 ELISA Kit****Overview**

Description:	Human TFPI2 AccuSignal ELISA Kit - KOA0821
Item No.:	KOA0821
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	TFPI2, also called Tissue factor pathway inhibitor 2, is a protein that in humans is encoded by the TFPI2 gene. It is mapped to 7q21.3. This gene encodes a member of the Kunitz-type serine proteinase inhibitor family. The protein can inhibit a variety of serine proteases including factor VIIa/tissue factor, factor Xa, plasmin, trypsin, chymotrypsin and plasma kallikrein. This gene has been identified as a tumor suppressor gene in several types of cancer. Qualitative PCR and microarray analyses showed that expression of TFPI2 was inversely correlated with that of MIR616 in prostate cancer cell lines, primary tumors of various grades, and normal tissue.
Synonyms:	Placental protein 5, PP5, REF1, Retinal pigment epithelium cell factor 1, TFPI 2, TFPI-2, TFPI2, TFPI2 PEN, TFPI2_HUMAN, Tissue factor pathway inhibitor 2
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TFPI2
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: D23-F235
Purity/Specificity:	Natural and recombinant human TFPI2. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P48307](#)
- [NCBI - NP_001257932.1](#)
- [GeneID - 7980](#)
- [KOA0821 Protocol](#)

Application Details

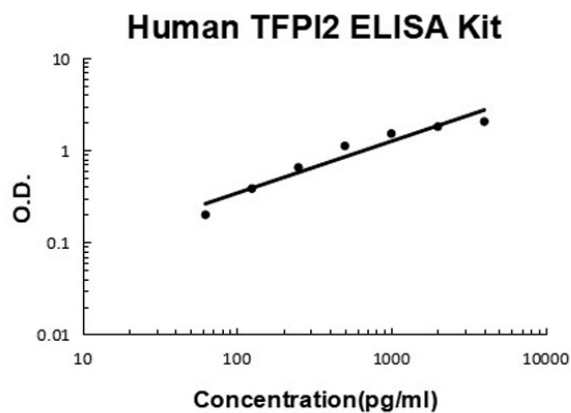
Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human TFPI2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human TFPI2 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.

Formulation

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 TFPI2 ELISA Kit standard curve.

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.