

Datasheet for KOA0725**Human TFF2 ELISA Kit****Overview**

Description:	Human TFF2 AccuSignal ELISA Kit - KOA0725
Item No.:	KOA0725
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	7.8 pg/ml - 500 pg/ml

Product Details

Background:	Trefoil factor 2, also known as SP or SML1, is a protein that in humans is encoded by the TFF2 gene. This gene belongs to trefoil family, and members of the trefoil family may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene is mapped to 21q22.3. TFF2 gene consists of 4 exons spanning 5.1 kb, with exons 2 and 3 encoding 1 trefoil domain each, and it is the only gene encoding 2 TFF-domains on separate exons. It has been found that the distribution of TFF2 and pS2 suggests involvement in repair-enhancing mechanisms.
Synonyms:	SML 1, SML1, SP, Spasmolysin, Spasmolytic polypeptide, spasmolytic protein 1, TFF 2, TFF2, TFF2_HUMAN, trefoil factor 2 (spasmolytic protein 1), Trefoil factor 2, Trefoil factor 2 precursor
Detection Kit Type:	ELISA Kit
Detection Range:	7.8 pg/ml - 500 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TFF2
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: E24-Y129
Purity/Specificity:	Natural and recombinant human TFF2. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q03403](#)
- [NCBI - NP_005414.1](#)
- [GeneID - 7032](#)
- [KOA0725 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml, 7.8pg/ml human TFF2 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 or plasma(heparin, EDTA) to each empty well. It is recommended that each human TFF2 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.

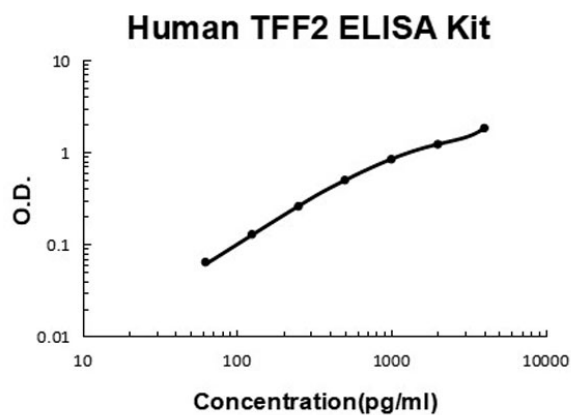
Formulation

Anticoagulant:	Heparin Sodium
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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 TFF2 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.