

## Datasheet for ABIN6720262 **Trefoil Factor 2 ELISA Kit**

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### Overview

Quantity:	1 kit
Target:	Trefoil Factor 2 (TFF2)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	7.8 pg/mL - 500 pg/mL
Minimum Detection Limit:	7.8 pg/mL
Application:	ELISA

### Product Details

Purpose:	Human TFF2 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human TFF2. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

Target:	Trefoil Factor 2 (TFF2)
Alternative Name:	TFF2 ( <a href="#">TFF2 Products</a> )
Background:	<p>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</p> <p>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.</p>
Gene ID:	7032
NCBI Accession:	<a href="#">NP_005414</a>
UniProt:	<a href="#">Q03403</a>

## Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 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 or plasma(heparin, EDTA) to each empty well. It is recommended that each human TFF2 standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: E24-Y129
Sample Volume:	100 µL

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
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.
Expiry Date:	12 months