

## ARG81531 Human TFF2 / Spasmolytic Polypeptide ELISA Kit

Package: 96 wells

Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81531-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81531-002	Standard	2 X 10 ng/vial	4°C
ARG81531-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81531-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81531-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81531-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81531-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81531-008	25X Wash buffer	20 ml	4°C
ARG81531-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81531-010	STOP solution	10 ml (Ready to use)	4°C
ARG81531-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81531 Human TFF2 / Spasmolytic Polypeptide ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TFF2 / Spasmolytic Polypeptide in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TFF2 / Spasmolytic Polypeptide
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 6.5%
Alternate Names	Trefoil factor 2; Spasmolysin; SP; SML1; Spasmolytic polypeptide

## Application Instructions

Assay Time	~ 5 hours
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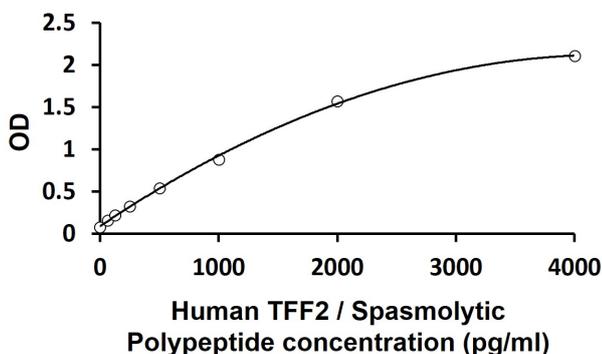
## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	TFF2
Gene Full Name	trefoil factor 2
Background	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. The encoded protein inhibits gastric acid secretion. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]
Function	Inhibits gastrointestinal motility and gastric acid secretion. Could function as a structural component of gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains (By similarity). [UniProt]
Highlight	Related products: <a href="#">TFF2 antibodies</a> ; <a href="#">TFF2 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images



ARG81531 Human TFF2 / Spasmolytic Polypeptide ELISA Kit standard curve image

ARG81531 Human TFF2 / Spasmolytic Polypeptide ELISA Kit results of a typical standard run with optical density reading at 450 nm.