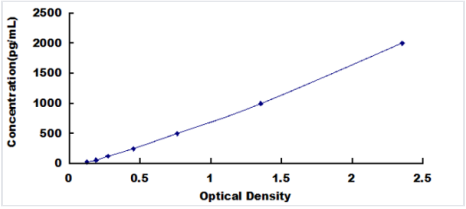
Trefoil Factor 2 (TFF2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Trefoil Factor 2 (TFF2), ELISA Kit
Full Product Name	Human Trefoil Factor 2 (TFF2) ELISA Kit
Product Gene Name	TFF2 elisa kit
Product Synonym Names	SML1; SP; Spasmolytic Protein 1; Spasmolysin; Spasmolytic polypeptide
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	31.25-2000pg/mL
Sensitivity	13.5pg/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	14,284 Da
OMIM	X51698 mRNA
3D Structure	ModBase 3D Structure for Q03403
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for TFF2 elisa kit	MBS454600 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Trefoil Factor 2 (TFF2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TFF2. The ELISA analytical biochemical technique of the MBS454600 kit is based on TFF2 antibody-TFF2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TFF2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TFF2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of TFF2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of TFF2 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFF2. It may not necessarily be applicable to this product.

NCBI GI #	4885629
NCBI GeneID	7032
NCBI Accession #	NP_005414.1
UniProt Primary Accession #	Q03403
UniProt Secondary Accession #	Q15854
UniProt Related Accession #	Q03403
GenBank Nucleotide #	NM_005423.4
NCBI Official Full Name	trefoil factor 2
NCBI Official Synonym Full Names	trefoil factor 2
NCBI Official Symbol	TFF2
NCBI Official Synonym Symbols	SP; SML1
UniProt Protein Name	Trefoil factor 2
UniProt Synonym Protein Names	Spasmolysin; Spasmolytic polypeptide; SP
Protein Family	Trefoil factor
UniProt Gene Name	TFF2
UniProt Synonym Gene Names	SML1; SP
NCBI Protein Information	trefoil factor 2
NCBI Summary for TFF2	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]
UniProt Comments for TFF2	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 ().
Research Articles on TFF2	**1.** Data show the important functions of TFF2 in the gastric mucus barrier, mucus epithelia, immune system, central nervous system, and during fertilization. It has been shown to interact with the gastric mucin MUC6. [Review]
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