

TFF2 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1998a**Specification****TFF2 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	Q03403
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	14.3kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human TFF2 (AA: 20-125) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide.

TFF2 Antibody - Additional Information

Gene ID 7032

Other Names

Trefoil factor 2, Spasmolysin, Spasmolytic polypeptide, SP, TFF2, SML1

Dilution

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TFF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TFF2 Antibody - Protein Information

Name TFF2

Synonyms SML1

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).

Cellular Location

Secreted.

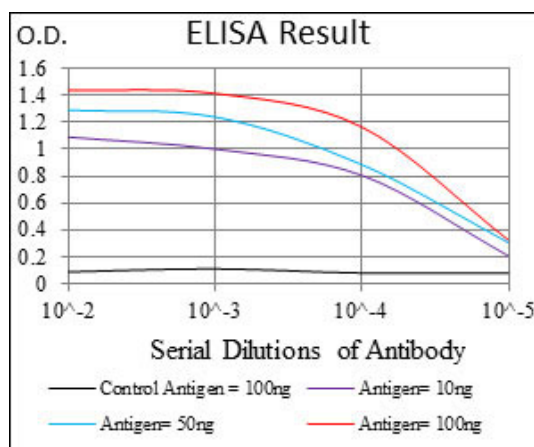
Tissue Location

Stomach.

TFF2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



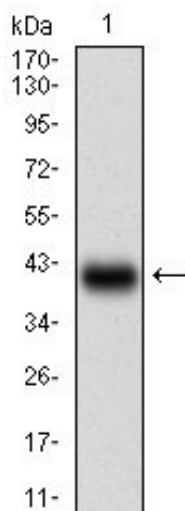


Figure 1: Western blot analysis using TFF2 mAb against human TFF2 (AA: 20-125) recombinant protein. (Expected MW is 37.3 kDa)

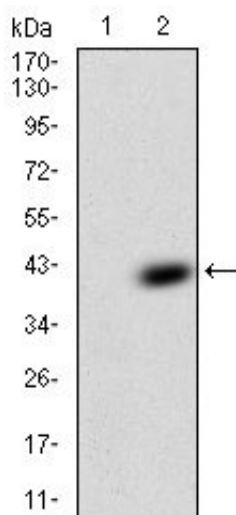


Figure 2: Western blot analysis using TFF2 mAb against HEK293 (1) and TFF2 (AA: 20-125)-hlgGFc transfected HEK293 (2) cell lysate.

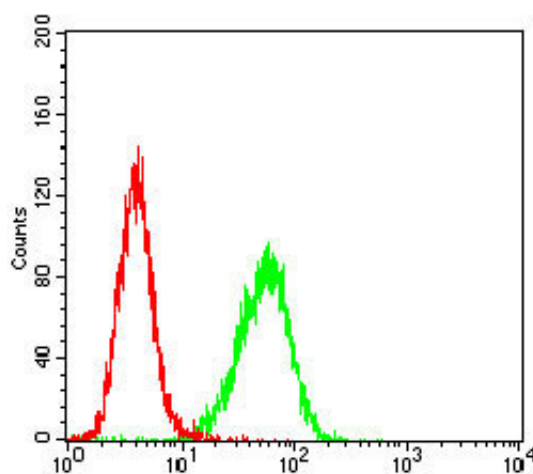


Figure 3: Flow cytometric analysis of HeLa cells using TFF2 mouse mAb (green) and negative control (red).

TFF2 Antibody - References

1. Peptides. 2013 Aug;46:1-5.2. Oncol Rep. 2012 Apr;27(4):1207-12.