SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-TFF2/FITC Conjugated antibody

Catalog Number: SL23857R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-TFF2/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human TFF2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Pig)
Background:	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. **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). **Subcellular Location:** Secreted. **Tissue Specificity:** Stomach. **Similarity:** Contains 2 P-type (trefoil) domains.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 7032 Human Omim: 182590 Human **SwissProt:** Q03403 Human **Unigene:** 2979 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Trefoil peptides may confer greater stability to the mucosal gel, enhancing the gastric mucosa's defense against various damaging factors. The direct role of trefoil peptides in inducing epithelial repair can be applied to many gastrointestinal diseases. As an adjuvant or replacement for corticosteroids or other immunosuppressants, it may represent a breakthrough in the treatment of ulcer disease and inflammatory bowel disease.

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