

Rabbit Anti-TFF2/AF647 Conjugated antibody

SL23857R-AF647

Product Name	Anti-TFF2/AF647
Chinese Name	AF647 标记的三叶肽因子 2 抗体
Alias	Trefoil factor2; mSP; SP; Spasmolytic polypeptide; Spasmolysin; SML 1; SML1; spasmolytic protein 1; TFF 2; trefoil factor 2 (spasmolytic protein 1); TFF 2; TFF2_HUMAN; Trefoil factor 2; Trefoil factor 2 precursor.
Research Area	Cell biology Signal transduction Growth factors and hormones
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Pig) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	12/14kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TFF2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4. 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.
Storage	
Product Detail	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.

Database links:

[Entrez Gene: 7032](#) Human

[Omid: 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.

三叶肽可能使黏膜凝胶产生更大的稳定性,使胃黏膜对各种损伤因子的防御能力增强。三叶肽在诱导上皮修复上的直接作用,可用于许多胃肠道疾病。它作为辅助剂或取代皮质类固醇或其他免疫抑制剂,在溃疡病及炎症性肠病的治疗上可能是一个突破。