

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TFF2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human TFF3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TFF2 Glu24-Tyr129 Accession # Q03403
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Trefoil factor 2 (TFF2), also known as spasmodic polypeptide (Sp) is a 20 kDa secreted trefoil factor family protein. It is a protease-resistant glycoprotein primarily produced by mucous-secreting cells of the stomach and duodenum and is upregulated in response to inflammation. TFF2 interacts with mucin and other TFF2-binding proteins to protect and repair mucosal epithelium. TFF2 is also expressed by macrophages and lymphocytes and may have a role in modulating immune system responses. The 106 residue mature human TFF2 contains two trefoil domains (aa 36-72 and aa 80-121) and one N-linked glycosylation site. Human TFF2 shares 71% and 87% aa sequence identity with canine and mouse TFF2, respectively.

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