

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Trefoil Factor 3 (TFF3) in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) TFF1 and rhTFF2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human TFF3 Ala21-Phe80 Accession # Q07654
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

TFF3 (Trefoil factor 3; also hP1.B and intestinal trefoil factor) is a 7 kDa member of the trefoil factor family of protease-resistant peptides. It is expressed by multiple epithelial cell types, acts in an autocrine or paracrine manner and contributes to epithelial cell migration and survival. Mature human TFF3 is 59 amino acids (aa) in length (aa 22-80). It contains one P (or trefoil) domain that is characterized by the presence of three cysteine bond-mediated loops (aa 30-72). Human TFF3 exists as both a monomer and disulfide-linked dimer. There are three potential isoform variants. One shows an alternate start site at Met8, a second shows a 50 aa N-terminal extension and a third shows a 109 aa substitution for aa 29-80. Over aa 21-80, human TFF3 shares 77%, 68%, and 72% aa identity with mouse, canine, and rat TFF3, respectively.

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