

DESCRIPTION

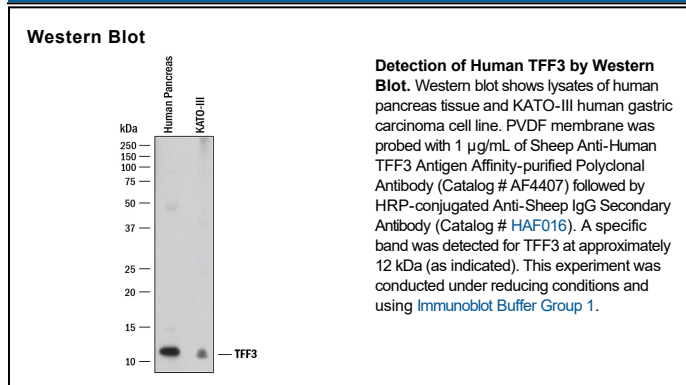
Species Reactivity	Human
Specificity	Detects human Trefoil Factor 3 (TFF3) in direct ELISAs and Western blots. In these formats, less than 5% cross-reactivity with recombinant human (rh) TFF1 and rhTFF2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human TFF3 Ala21-Phe80 Accession # Q07654
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.