

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TFF3 in direct ELISAs and Western blots. Does not cross-react with recombinant human TFF2.
Source	Monoclonal Mouse IgG ₁ Clone # 415909
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-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 as a 0.2 µm filtered solution in PBS.

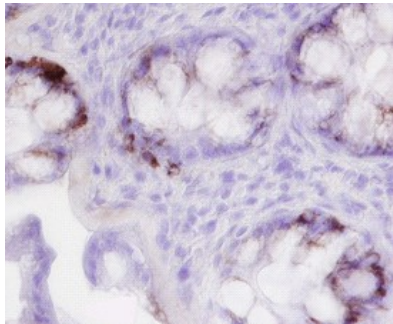
APPLICATIONS

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	Recombinant Human TFF3 under non-reducing conditions only
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



TFF3 in Human Colon. TFF3 was detected in immersion fixed paraffin-embedded sections of human colon using 25 µg/mL Human TFF3 Monoclonal Antibody (Catalog # MAB4407) overnight at 4 °C. Tissue was stained with the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific labeling was localized to the cytoplasm of goblet cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Trefoil Factor 3 (TFF3) is one of three trefoil peptides secreted by epithelial cells that line mucus membranes. Trefoils contribute to protection and repair of the gastrointestinal tract. TFF3 is secreted by mucus-producing goblet cells in the large and small intestines and lower respiratory tract. It is mainly active as a disulfide-linked homodimer. The mature 59 aa, 6.5 kDa human TFF3 contains one trefoil structure formed by intramolecular disulfides and shows 76% aa identity with mouse TFF3.