Human TFF2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 366508

Catalog Number: MAB4077

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TFF2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant human TFF3.
Source	Monoclonal Mouse IgG_{2B} Clone # 366508
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human TFF2 Glu24-Tyr129 Accession # Q03403
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.

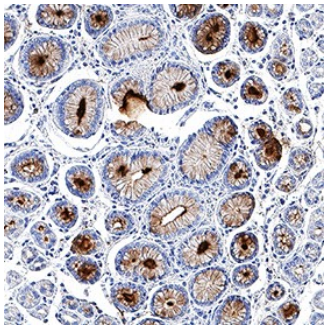
APPLICATIONS

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	Recombinant Human TFF2
Immunohistochemistry	1-25 µg/mL	See Below

DATA

Immunohistochemistry



TFF2 in Human Stomach. TFF2 was detected in immersion fixed paraffin-embedded sections of human stomach using Mouse Anti-Human TFF2 Monoclonal Antibody (Catalog # MAB4077) at 1.7 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to gastric glands. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

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.** ● 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 2 (TFF2), previously called spasmolysin, is one of three trefoil peptides secreted by epithelial cells that line mucus membranes. Trefoils contribute to protection and repair of the gastrointestinal tract. TFF2 is secreted by epithelia of the basal gastric glands and duodenal Brunner's glands, but is also found in spleen, thymus and lung and may modulate leukocyte recruitment to sites of inflammation in these tissues. The 129 amino acid (aa) human TFF2 contains two trefoil structures formed by intramolecular disulfides and shows 82% aa identity with mouse TFF2.

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