**BACKGROUND**

Trefoil peptides are protease resistant molecules secreted throughout the gut that play a role in mucosal healing. Trefoil peptides contain three intrachain disulfide factors, forming the trefoil motif, or P-domain. ITF (intestinal trefoil factor) is expressed in the epithelial mucosal layer of the small intestine and colon, brain and pituitary. SP (also known as pancreatic trefoil factor 2 or disulfide bonds, forming the trefoil motif, or P-domain). ITF (intestinal trefoil factor) is expressed in the epithelial mucosal layer of the small intestine and colon, brain and pituitary. SP (also known as pancreatic trefoil factor 2 or disulfide bonds, forming the trefoil motif, or P-domain). ITF (intestinal trefoil factor) is expressed in the epithelial mucosal layer of the small intestine and colon, brain and pituitary. SP (also known as pancreatic trefoil factor 2 or disulfide bonds, forming the trefoil motif, or P-domain). ITF (intestinal trefoil factor) is expressed in the epithelial mucosal layer of the small intestine and colon, brain and pituitary. SP (also known as pancreatic trefoil factor 2 or disulfide bonds, forming the trefoil motif, or P-domain). ITF (intestinal trefoil factor) is expressed in the epithelial mucosal layer of the small intestine and colon, brain and pituitary. SP (also known as pancreatic trefoil factor 2 or disulfide bonds, forming the trefoil motif, or P-domain). ITF (intestinal trefoil factor) is expressed in the epithelial mucosal layer of the small intestine and colon, brain and pituitary. SP (also known as pancreatic trefoil factor 2 or disulfide bonds, forming the trefoil motif, or P-domain).

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: TFF3 (human) mapping to 21q22.3; Tff3 (mouse) mapping to 17 A3.3.

**SOURCE**

ITF (B-1) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 29-66 within an internal region of ITF of mouse origin.

**PRODUCT**

Each vial contains 200 µg IgG, kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

ITF (B-1) is available conjugated to agarose (sc-398651 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-398651 HRP), 200 µg/ml, for WB, IHC(2P) and ELISA; to either phycoerythrin (sc-398651 PE), fluorescein (sc-398651 FITC), Alexa Fluor® 488 (sc-398651 AF488), Alexa Fluor® 546 (sc-398651 AF546), Alexa Fluor® 594 (sc-398651 AF594) or Alexa Fluor® 647 (sc-398651 AF647), 200 µg/ml, for WB (RGB), IF, IHC(2P) and FCM; and to either Alexa Fluor® 680 (sc-398651 AF680) or Alexa Fluor® 790 (sc-398651 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-398651 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

**APPLICATIONS**

ITF (B-1) is recommended for detection of ITF of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ITF siRNA (h): sc-39813, ITF siRNA (m): sc-39814, ITF shRNA Plasmid (h): sc-39813-SH, ITF shRNA Plasmid (m): sc-39814-SH, ITF shRNA (h) Lentiviral Particles: sc-39813-V and ITF shRNA (m) Lentiviral Particles: sc-39814-V.

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**Molecular Weight of ITF:** 9 kDa.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgG BP-HRP: sc-516102 or m-IgG BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminal Reagent: sc-2048.

2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).


**DATA**

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.