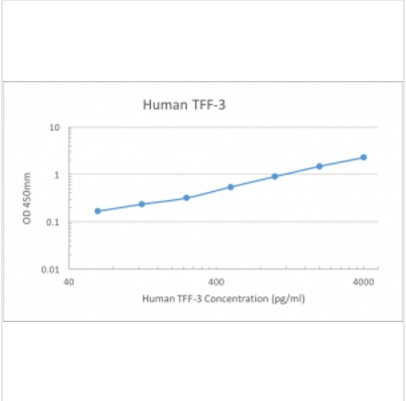
TFF-3 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	TFF-3, ELISA Kit
Full Product Name	Human TFF-3 Pre-Coated ELISA Kit
Product Gene Name	TFF-3 elisa kit
Species Reactivity	Human
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Specificity	Natural and recombinant Human TFF-3 Pre-Coated ELISA Kit
Preparation and Storage	Store the unopened product at 2-8 degree C.
Molecular Weight	8,641 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (43731777..43735706, complement). Location: 21q22.3
OMIM	600633
3D Structure	ModBase 3D Structure for Q07654
Components	Anti-Human TFF-3 Pre-coated 96-well strip microplate Human TFF-3 Standard Human TFF-3 Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers
Interference	No detectable cross-reactivity with other relevant proteins
Related Product Information for TFF-3 elisa kit	The Trefoil Factor peptides (TFF1, TFF2 and TFF3) are secreted in the gastrointestinal tract, and appear to play an important role in intestinal mucosal defense and repair. TFF-3 is expressed by goblet cells and in the uterus, and has also been shown to be expressed in certain cancers, including colorectal, hepatocellular, and in biliary tumors. TFF3 may be useful as a molecular marker for certain types of cancer, but its role, if any, in tumorigenesis is unknown. TFF3 also promotes airway epithelial cell migration and differentiation. Human TFF-3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure TFF-3 with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for TFF-3. It contains E Coli-expressed recombinant TFF-3. The detection antibody is a biotinylated goat polyclonal antibody specific for TFF-3. The kit is analytically validated with ready to use reagents.
Other Notes	Small volumes of TFF-3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for TFF-3 purchase	MBS697355 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the TFF-3, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TFF-3. The ELISA analytical biochemical technique of the MBS697355 kit is based on TFF-3 antibody-TFF-3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TFF-3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TFF-3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of TFF-3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFF-3. It may not necessarily be applicable to this product.

NCBI GI #	281485608
NCBI GeneID	7033
NCBI Accession #	NP_003217.3
UniProt Primary Accession #	Q07654
UniProt Secondary Accession #	Q96NX0; Q9UDA5; E9PBB5
UniProt Related Accession #	Q07654
GenBank Nucleotide #	NM_003226.3
NCBI Official Full Name	trefoil factor 3
NCBI Official Synonym Full Names	trefoil factor 3 (intestinal)
NCBI Official Symbol	TFF3
NCBI Official Synonym Symbols	ITF; P1B; TFI
UniProt Protein Name	Trefoil factor 3
UniProt Synonym Protein Names	Intestinal trefoil factor; hITF; Polypeptide P1.B
UniProt Gene Name	TFF3
UniProt Synonym Gene Names	ITF; TFI; hITF; hP1.B
UniProt Entry Name	TFF3_HUMAN
NCBI Protein Information	trefoil factor 3; polypeptide P1.B

NCBI Summary for TFF-3	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. This gene is expressed in goblet cells of the intestines and colon. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]
UniProt Comments for TFF-3	TFF3: Involved in the maintenance and repair of the intestinal mucosa. Promotes the mobility of epithelial cells in healing processes (motogen). Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 21q22.3 Cellular Component: proteinaceous extracellular matrix; extracellular region; secretory granule Biological Process: response to peptide hormone stimulus; digestion; defense response
Research Articles on TFF-3	**1.** Reduced expression of TFF1 and increased expression of TFF3 may play a role in the carcinogenesis of gastric cancer.
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