

Human TFF2 ELISA Kit | TFF2 elisa kit

Human TFF2 PicoKine ELISA Kit

CATALOG #
AAA45814

REACTIVITY
Human

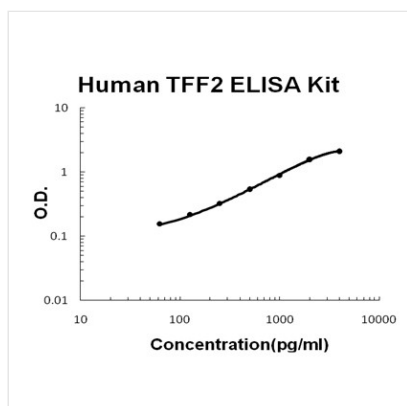
PRODUCT SYNONYMS

TFF2; Human TFF2 PicoKine ELISA Kit; Trefoil factor 2; trefoil factor 2; SML 1; SML1; SP; Spasmolysin; Spasmolytic polypeptide; spasmolytic protein 1; TFF 2; TFF2_HUMAN; trefoil factor 2 (spasmolytic protein 1); Trefoil factor 2 precursor; TFF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TFF2
Sequence Length	129
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	7.8pg/ml-500pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human TFF2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TFF2 elisa kit	Principle of the assay: human TFF2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TFF2 has been precoated onto 96-well plates. Standards(NSO, E24-Y129) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TFF2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human TFF2 amount of sample captured in plate. Background: Trefoil factor 2, also known as SP or SML1, is a protein that in humans is encoded by the TFF2 gene. This gene belongs to trefoil family, and members of the trefoil family may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene is mapped to 21q22.3. TFF2 gene consists of 4 exons spanning 5.1 kb, with exons 2 and 3 encoding 1 trefoil domain each, and it is the only gene encoding 2 TFF-domains on separate exons. It has been found that the distribution of TFF2 and pS2 suggests involvement in repair-enhancing mechanisms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2833194
NCBI GeneID	7032
UniProt Accession #	Q03403; Q15854
Molecular Weight	14,284 Da
NCBI Official Full Name	Trefoil factor 2
NCBI Official Synonym Full Names	trefoil factor 2
NCBI Official Symbol	TFF2
NCBI Official Synonym Symbols	SP; SML1
NCBI Protein Information	trefoil factor 2; spasmolysin; spasmodytic protein 1; spasmodytic polypeptide
UniProt Protein Name	Trefoil factor 2
UniProt Gene Name	TFF2
UniProt Synonym Gene Names	SML1; SP
UniProt Entry Name	TFF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tff2/45814>