

Rat Trefoil factor 3 ELISA Kit | TFF3 elisa kit

Rat Trefoil factor 3 ELISA Kit

CATALOG #
AAA99666

REACTIVITY
Rat

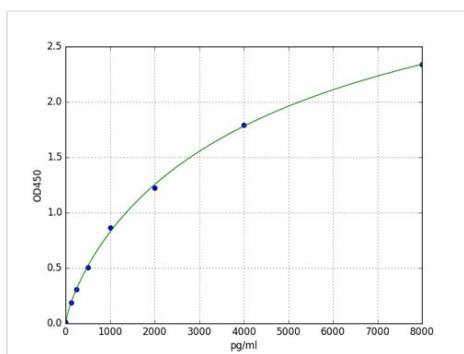
PRODUCT SYNONYMS

Trefoil factor 3; Rat Trefoil factor 3 ELISA Kit; TFF3/Intestinal trefoil factor (mITF)/ITF/TFI/HITF; human intestinal trefoil factor10Intestinal trefoil factor/trefoil factor 3 (intestinal); TFF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TFF3. No significant cross-reactivity or interference between TFF3 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the crossreactivity detection between TFF3 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	94
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	125-8000pg/ml
Sensitivity	75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TFF3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TFF3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a TFF3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	125	250	500	1000	2000	4000	8000
Y	OD450	0.132	0.302	0.455	0.66	1.17	1.736	2.487	3.521

ADDITIONAL INFORMATION

Related Product Information for TFF3 elisa kit	Principle of the Assay This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TFF3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- TFF3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 TFF3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TFF3 can be calculated.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	281485608
NCBI GeneID	7033
NCBI Accession #	NP_003217.3
NCBI GenBank Nucleotide #	NM_003226.3
Molecular Weight	8,641 Da
NCBI Official Full Name	trefoil factor 3
NCBI Official Synonym Full Names	trefoil factor 3
NCBI Official Symbol	TFF3
NCBI Official Synonym Symbols	ITF; P1B; TFI
NCBI Protein Information	trefoil factor 3
UniProt Protein Name	Trefoil factor 3
UniProt Gene Name	TFF3
UniProt Synonym Gene Names	ITF; TFI; hITF; hP1.B
UniProt Entry Name	TFF3_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.