

Mouse Trefoil Factor 3, Intestinal (TFF3) ELISA Kit | TFF3 elisa kit

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CATALOG #
AAA140268

REACTIVITY
Mouse

PRODUCT SYNONYMS

Trefoil Factor 3; Intestinal (TFF3); Mouse Trefoil Factor 3; Intestinal (TFF3) ELISA Kit; TFF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Sequence Length	94
Samples	Mouse serum, plasma and other biological fluids
Assay Type	Competitive
Detection Range	61.73-5,000pg/mL
Sensitivity	The minimum detectable dose of TFF3 is typically less than 29.14pg/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined by subtracting two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.
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<10%
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<12%
Intended Uses	The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of TFF3 in mouse serum, plasma and other biological fluids.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for TFF3 elisa kit

Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to TFF3 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled TFF3 and unlabeled TFF3 (Standards or samples) with the pre-coated antibody specific to TFF3. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of TFF3 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of TFF3 in the sample.

NCBI AND UNIPROT INFORMATION

NCBI GI #

281485608

NCBI GeneID	7033
NCBI Accession #	NP_003217.3
NCBI GenBank Nucleotide #	NM_003226.3
UniProt Accession #	Q07654; Q96NX0; Q9UDA5; E9PBB5
Molecular Weight	8,641 Da
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
NCBI Protein Information	trefoil factor 3; polypeptide P1.B
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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/trefoil-factor-3-intestinal-tff3/140268>