

Canine Trefoil Factor 2 ELISA Kit | ITF2 elisa kit

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CATALOG #
AAA92367

REACTIVITY
Canine

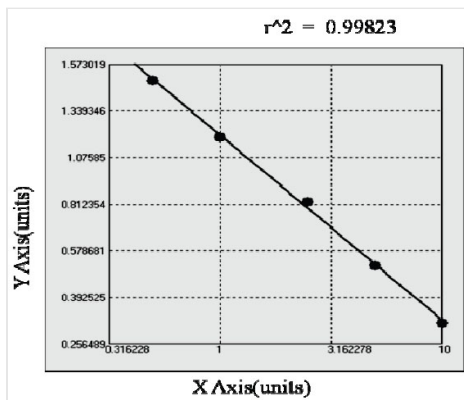
PRODUCT SYNONYMS

Trefoil Factor 2; Canine Trefoil Factor 2 ELISA Kit; ITF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ITF2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ITF2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITF2 elisa kit

Principle of the Assay: ITF2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ITF2 antibody and an ITF2-HRP conjugate. The assay sample and buffer are incubated together with ITF2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ITF2 concentration since ITF2 from samples and ITF2-HRP conjugate compete for the anti-ITF2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ITF2 from the sample, fewer sites are left to bind ITF2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITF2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885629
NCBI GeneID	7032
NCBI Accession #	NP_005414.1
NCBI GenBank Nucleotide #	NM_005423.4
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; spasmodysin; 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.