

Canine Transforming Growth Factor Beta 1 (TGFb1) ELISA Kit | TGFb1 elisa kit

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CATALOG #
AAA136554

REACTIVITY
Canine

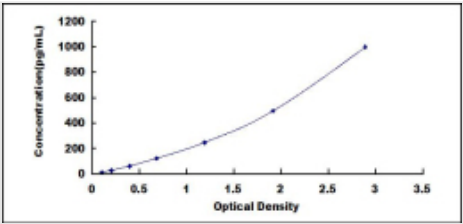
PRODUCT SYNONYMS

Transforming Growth Factor Beta 1 (TGFb1); Canine Transforming Growth Factor Beta 1 (TGFb1) ELISA Kit; TGF-B1; CED; DPD1; LAP; Camurati-Engelmann Disease; Latency-associated peptide; TGFb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Transforming Growth Factor Beta 1 (TGFb1). No significant cross-reactivity or interference between Transforming Growth Factor Beta 1 (TGFb1) and analogues was observed.
Sequence Length	51
Assay Type	Double-antibody Sandwich
Samples	Serum, Platelet-Poor Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Transforming Growth Factor Beta 1 (TGFb1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Transforming Growth Factor Beta 1 (TGFb1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Transforming Growth Factor Beta 1 (TGFB1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Transforming Growth Factor Beta 1 (TGFB1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Transforming Growth Factor Beta 1 (TGFB1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Transforming Growth Factor Beta 1 (TGFB1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TGFB1 elisa kit	Cytokine; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	33431110
NCBI GeneID	7040
UniProt Accession #	P01137; Q9UCG4; A8K792
Molecular Weight	44,341 Da
NCBI Official Full Name	transforming growth factor beta 1, partial
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP
UniProt Entry Name	TGFB1_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.