

TGF-Beta 3 ELISA Kit | TGFB3 elisa kit

Dog Canine TGF-Beta 3 PicoKine ELISA Kit

CATALOG # AAA124833	REACTIVITY Canine There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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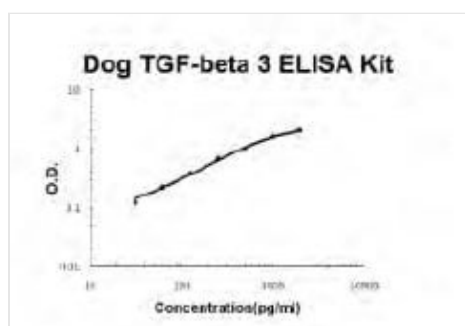
PRODUCT SYNONYMS

TGF-Beta 3; Dog Canine TGF-Beta 3 PicoKine ELISA Kit; Transforming growth factor beta-3; TGF-beta-3; Latency-associated peptide; LAP; TGFB3; TGFB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Dog Dog Canine TGF-Beta 3
Sequence Length	309
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for TGFB3 elisa kit	ELISA
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB3 elisa kit	Principle of the Assay: Dog Dog Canine TGF-Beta 3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Dog Canine TGF- Beta 3 has been precoated onto 96-well plates. Standards(Expression system for standard: sf21; Immunogen sequence: A301-S412) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Dog Canine TGF-Beta 3 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 Dog Dog Canine TGF-Beta 3 amount of sample captured in plate. Background: Transforming growth factor beta 3(TGF-beta 3) is a type of protein, known as a cytokine, which is involved in cell differentiation, embryogenesis and development. It belongs to a large family of cytokines called the Transforming growth factor beta superfamily. TGF-beta 3 is believed to regulate molecules involved in cellular adhesion and extracellular matrix(ECM) formation during the process of palate development. Without TGF-beta 3, mammals develop a deformity known as acleft palate. This is caused by failure of epithelial cells in both sides of the developing palate to fuse. TGF-beta 3 also plays an essential role in controlling the development of lungs in mammals, by also regulating cell adhesion and ECM formation in this tissue, and controls wound healing by regulating the movements of epidermal and dermal cells in injured skin. TGF-beta 3 activated Lef1 in the absense of beta-catenin(CTNNB1) via nuclear phospho-Smad2 and Smad4.
Product Categories/Family for TGFB3 elisa kit	Signal Transduction ; Growth Factors/Hormones ; TGF ; Stem Cells ; Signaling Pathways ; TGF Beta ; Secreted ; Cancer ; Growth Factors ; Invasion/Microenvironment ; Angiogenesis ; Angiogenic Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	1050108310
NCBI GeneID	7043
NCBI Accession #	NP_001316867.1
NCBI GenBank Nucleotide #	NM_001329938.1
UniProt Accession #	P10600; Q8WV88
Molecular Weight	47328 MW
NCBI Official Full Name	transforming growth factor beta-3 isoform 2
NCBI Official Synonym Full Names	transforming growth factor beta 3
NCBI Official Symbol	TGFB3
NCBI Official Synonym Symbols	ARVD; LDS5; RNHF; ARVD1; TGF-beta3
NCBI Protein Information	transforming growth factor beta-3
UniProt Protein Name	Transforming growth factor beta-3
UniProt Gene Name	TGFB3
UniProt Synonym Gene Names	TGF-beta-3; LAP

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.