

Canine Transforming Growth Factor beta1 ELISA Kit | TGFbeta1 elisa kit

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CATALOG #
AAA88541

REACTIVITY
Canine

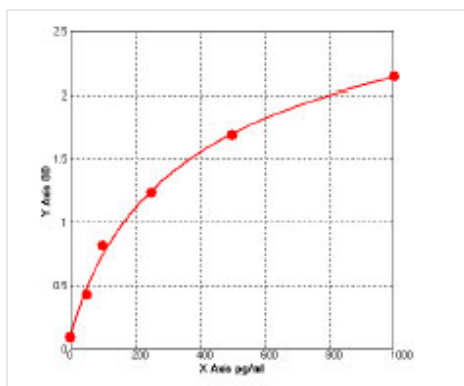
PRODUCT SYNONYMS

Transforming Growth Factor beta1; Canine Transforming Growth Factor beta1 ELISA Kit; Canine Transforming Growth Factor b1 ELISA Kit; TGFbeta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Sandwich
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFbeta1 elisa kit

Intended Uses: This TGF-beta1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TGF-beta1. This ELISA kit for research use only!

Principle of the Assay: TGF-beta1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TGF-beta1. Standards or samples are then added to the microtiter plate wells and TGF-beta1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TGF-beta1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for TGF-beta1 are added to each well to "sandwich" the TGF-beta1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TGF-beta1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGF-beta1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for
TGFBeta1 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.5
Molecular Weight	44,341 Da
NCBI Official Full Name	transforming growth factor beta-1
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; TGF-beta-1; latency-associated peptide; prepro-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.

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Online datasheet: <https://stage.aaabiotech.com/tgfbeta1-canine-elisa-kits/transforming-growth-factor-beta1/88541>