

Canine Transforming Growth Factor beta2 ELISA Kit | TGFbeta2 elisa kit

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CATALOG #
AAA89389

REACTIVITY
Canine

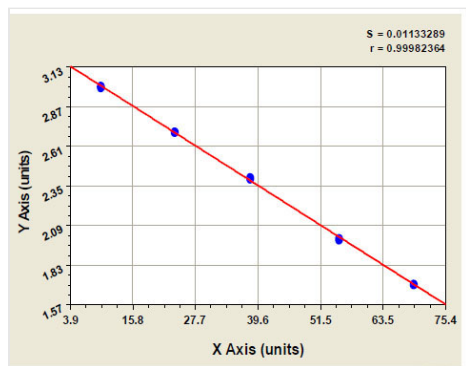
PRODUCT SYNONYMS

Transforming Growth Factor beta2; Canine Transforming Growth Factor beta2 ELISA Kit; Canine Transforming Growth Factor b2 ELISA Kit; TGFbeta2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TGF?2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TGF?2. 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 TGFbeta2 elisa kit

Principle of the assay: TGF?2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TGF?2 antibody and an TGF?2-HRP conjugate. The assay sample and buffer are incubated together with TGF?2-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 TGF?2 concentration since TGF?2 from samples and TGF?2-HRP conjugate compete for the anti-TGF?2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TGF?2 from the sample, fewer sites are left to bind TGF?2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGF?2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TGFBeta2 elisa kit	Cancer
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208022653
NCBI GeneID	7042
NCBI Accession #	NP_001129071.1
NCBI GenBank Nucleotide #	NM_001135599.2
Molecular Weight	50,573 Da
NCBI Official Full Name	transforming growth factor beta-2 isoform 1
NCBI Official Synonym Full Names	transforming growth factor, beta 2
NCBI Official Symbol	TGFB2
NCBI Official Synonym Symbols	LDS4; TGF-beta2
NCBI Protein Information	transforming growth factor beta-2; G-TSF; cetermin; polyergin; BSC-1 cell growth inhibitor; prepro-transforming growth factor beta-2; glioblastoma-derived T-cell suppressor factor
UniProt Protein Name	Transforming growth factor beta-2
UniProt Gene Name	TGFB2
UniProt Synonym Gene Names	TGF-beta-2; G-TSF; LAP
UniProt Entry Name	TGFB2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tgfbeta2-canine-elisa-kits/transforming-growth-factor-beta2/89389>