

Canine TGF-beta receptor type-2 (TGFB2) ELISA Kit | TGFB2 elisa kit

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CATALOG #
AAA244718

REACTIVITY
Canine

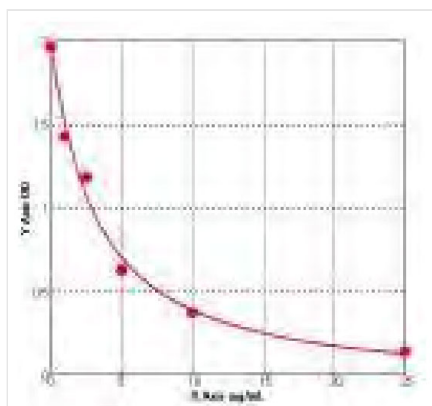
PRODUCT SYNONYMS

TGF-beta receptor type-2 (TGFB2); Canine TGF-beta receptor type-2 (TGFB2) ELISA Kit; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TGFB2. No significant cross-reactivity or interference between TGFB2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TGFB2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFBR2 elisa kit	Principle of the Assay: TGFBR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TGFBR2 antibody and an TGFBR2-HRP conjugate. The assay sample and buffer are incubated together with TGFBR2-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 TGFBR2 concentration since TGFBR2 from samples and TGFBR2-HRP conjugate compete for the anti-TGFBR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TGFBR2 from the sample, fewer sites are left to bind TGFBR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGFBR2 concentration in each sample is interpolated from this standard curve. Intended Uses: This TGFBR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TGFBR2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for TGFBR2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782326
NCBI GeneID	7048
NCBI Accession #	NP_001020018.1
NCBI GenBank Nucleotide #	NM_001024847.2
Molecular Weight	67,457 Da
NCBI Official Full Name	TGF-beta receptor type-2 isoform A
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II (70/80kDa)
NCBI Official Symbol	TGFBR2
NCBI Official Synonym Symbols	AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII
NCBI Protein Information	TGF-beta receptor type-2; tbetaR-II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II beta; transforming growth factor, beta receptor II alpha; transforming growth factor, beta receptor II delta; transforming growth factor, beta receptor II gamma; transforming growth factor, beta receptor II epsilon
UniProt Protein Name	TGF-beta receptor type-2
UniProt Gene Name	TGFBR2
UniProt Synonym Gene Names	TGFR-2; TGF-beta receptor type II; TbetaR-II
UniProt Entry Name	TGFR2_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/canine-elisa-kits/tgf-beta-receptor-type-2-tgfb2/244718>