

TGF Beta 1 ELISA Kit | TGFB1 elisa kit

Rabbit TGF Beta 1 PicoKine ELISA Kit

CATALOG # AAA124795	REACTIVITY Rabbit There is cross-reactivity with TGF beta 2, TGF beta 3, TGF beta 5	APPLICATIONS ELISA
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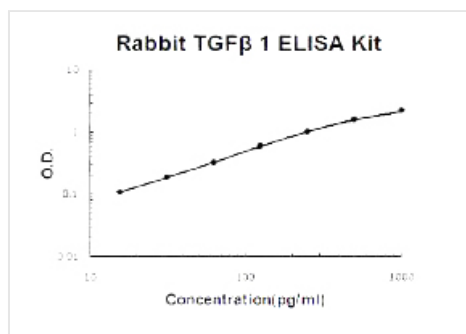
PRODUCT SYNONYMS

TGF Beta 1; Rabbit TGF Beta 1 PicoKine ELISA Kit; Transforming growth factor beta-1; TGF-beta-1; Latency-associated peptide; LAP; TGFB1; TGFB; TGFB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit There is cross-reactivity with TGF beta 2, TGF beta 3, TGF beta 5<1%.
Specificity	Natural and recombinant Mouse TNFSF13B
Sequence Length	390
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
Detection Range	<10pg/ml
Sensitivity	46.9pg/ml-3000pg/ml
Applicable Applications for TGFB1 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 across 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 TGFB1 elisa kit	Principle of the Assay: The Picokine Mouse TNFSF13B Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse TNFSF13B with a 96-well strip plate that is pre-coated with antibody specific for TNFSF13B. The detection antibody is a biotinylated antibody specific for TNFSF13B. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse TNFSF13B with immunogen: Expression system for standard: NSO; Immunogen sequence: A127-L309. The kit is analytically validated with ready to use reagents. To measure Mouse TNFSF13B, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse TNFSF13B in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse TNFSF13B in the sample!!Background/Introduction: B-cell activating factor(BAFF) also known as tumor necrosis factor ligand superfamily member 13B is a protein that in humans is encoded by the TNFSF13B gene.^{1,2} BAFF is a cytokine that belongs to the tumor necrosis factor(TNF) ligand family. This cytokine is a ligand for receptors TNFSF13B/TACI, TNFSF17/BCMA, and TNFSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.³All these ligands act as heterotrimers(i.e. three of the same molecule) interacting with heterotrimeric receptors⁴, although BAFF has been known to be active as either a hetero-or homotrimer.⁵ The standard used in this kit is recombinant mouse soluble BAFF(A127-L309) with molecular weight 23.2KDa.
Product Categories/Family for TGFB1 elisa kit	Cardiovascular; Angiogenesis; Growth Factors; TGF; Signal Transduction; Growth Factors/Hormones; Stem Cells; Signaling Pathways; TGF Beta; Secreted; Cancer; Invasion/Microenvironment; Angiogenic Growth Factors; Developmental Biology; Organogenesis; Angiog

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.6
UniProt Accession #	P01137; Q9UCG4; A8K792
Molecular Weight	44341 MW
NCBI Official Full Name	transforming growth factor beta-1 preproprotein
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

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.