

Rat TGF-beta 3 ELISA Kit | TGFB3 elisa kit

Rat TGF-beta 3 PicoKine ELISA Kit

CATALOG #
AAA45892

REACTIVITY
Rat

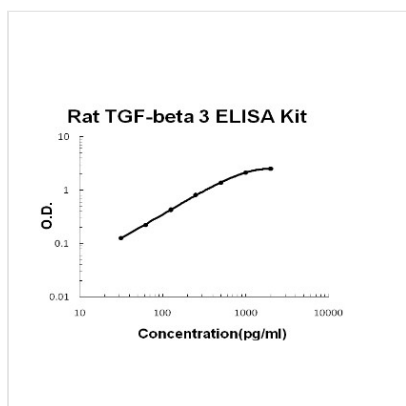
PRODUCT SYNONYMS

TGF-beta 3; Rat TGF-beta 3 PicoKine ELISA Kit; Transforming growth factor beta-3; transforming growth factor; beta 3; ARVD; FLJ16571; MGC105479; MGC118722; TGF beta 3; TGF beta3; TGF-beta-3; TGFB 3; TGFB3; TGFB3_HUMAN; transforming growth factor beta 3; TGFB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat TGF-beta 3
Sequence Length	412
Samples	Cell culture supernates, serum, plasma (EDTA) and urine
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat TGF-beta 3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TGFB3 elisa kit	Principle of the assay: Rat TGF-beta 3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TGF-beta 3 has been precoated onto 96-well plates. Standards(sf21, A301-S412) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for 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 rat 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 absence of beta-catenin (CTNNB1) via nuclear phospho-Smad2 and Smad4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1351228
NCBI GeneID	25717
UniProt Accession #	Q07258; Q56A31
Molecular Weight	47,116 Da
NCBI Official Full Name	Transforming growth factor beta-3
NCBI Official Synonym Full Names	transforming growth factor, beta 3
NCBI Official Symbol	Tgfb3
NCBI Official Synonym Symbols	TGF-B3
NCBI Protein Information	transforming growth factor beta-3; TGF-beta-3
UniProt Protein Name	Transforming growth factor beta-3
UniProt Gene Name	Tgfb3
UniProt Synonym Gene Names	Tgf-b3; TGF-beta-3; LAP
UniProt Entry Name	TGFB3_RAT

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/tgfb3-rat-elisa-kits/tgf-beta-3/45892>