

Human TGF-beta 3 ELISA Kit | TGFB3 elisa kit

Human TGF-beta 3 PicoKine ELISA Kit

CATALOG #
AAA11615

REACTIVITY
Human

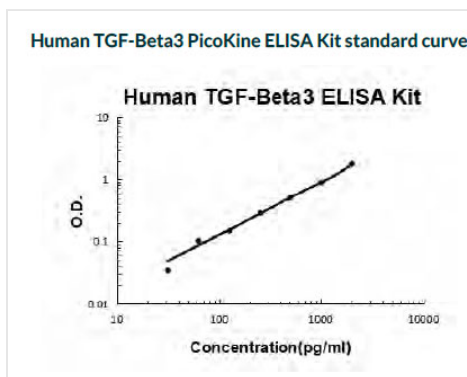
PRODUCT SYNONYMS

TGF-beta 3; Human 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	Human
Specificity	Natural and recombinant Human TGFB3
Sequence Length	412
Samples	Cell culture supernatants, serum, plasma (EDTA) and urine
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/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 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB3 elisa kit	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 TGFbeta 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. Principle of the Assay: The Picokine™ Human TGFB3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human TGFB3 with a 96-well strip plate that is pre-coated with antibody specific for TGFB3. The detection antibody is a biotinylated antibody specific for TGFB3. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit includes Human TGFB3 protein as standards. To measure Human TGFB3, 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human TGFB3 in the sample. Read the absorbance 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 Human TGFB3 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	135684
NCBI GeneID	7043
UniProt Accession #	P10600; Q8WV88
Molecular Weight	35,708 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	ARVD; RNHF; ARVD1; TGF-beta3
NCBI Protein Information	transforming growth factor beta-3; TGF-beta-3; prepro-transforming growth factor beta-3
UniProt Protein Name	Transforming growth factor beta-3
UniProt Gene Name	TGFB3
UniProt Synonym Gene Names	TGF-beta-3; LAP
UniProt Entry Name	TGFB3_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/tgfb3-human-elisa-kits/tgf-beta-3/11615>