

Human TGF-beta 2 ELISA Kit | TGFB2 elisa kit

Human TGF-beta 2 PicoKine ELISA Kit

CATALOG #
AAA45982

REACTIVITY
Human

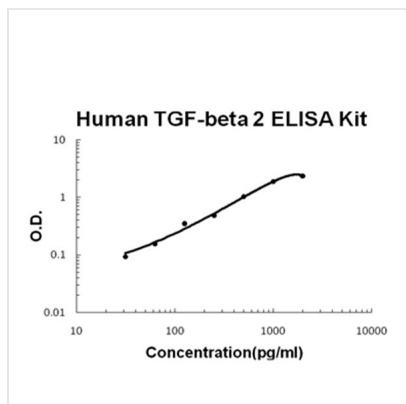
PRODUCT SYNONYMS

TGF-beta 2; Human TGF-beta 2 PicoKine ELISA Kit; Transforming growth factor beta-2; transforming growth factor; beta 2; BSC 1 cell growth inhibitor; BSC-1 cell growth inhibitor; Cetermin; G-TSF; Glioblastoma derived T cell suppressor factor; Glioblastoma-derived T-cell suppressor factor; Polyergin; TGF beta2; TGF-beta-2; TGFB2; TGFB2_HUMAN; Transforming growth factor; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TGF-beta 2
Sequence Length	414
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
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)

Human TGF-beta 2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TGFB2 elisa kit	Principle of the assay: human TGF-beta 2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TGF-beta 2 has been precoated onto 96-well plates. Standards(NSO, A303-S414) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TGF-beta 2 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 human TGF-beta 2 amount of sample captured in plate. Background: Transforming growth factor-beta 2 (TGF-beta 2) is a secreted protein known as a cytokine that performs many cellular functions and has a vital role during embryonic development. This gene is mapped to 1q41. It is an extracellular glycosylated protein. It is known to suppress the effects of interleukin dependent T-cell tumors. TGF-beta 2 is present at elevated levels in the aqueous humor of patients with primary open angle glaucoma (POAG). Studies have shown that TGF-beta 2 influences cultured trabecular meshwork cells, and it reduced outflow facility when perfused into cultured human anterior segments. In POAG, elevated expression of Gremlin by TM cells inhibited BMP4 antagonism of TGF-beta 2 and led to increased extracellular matrix deposition and elevated IOP.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48429157
NCBI GeneID	7042
UniProt Accession #	P61812; P08112; Q15579; Q15581; Q4VAV9; B4DKC5
Molecular Weight	50,573 Da
NCBI Official Full Name	Transforming growth factor beta-2
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.