

Human TGFB2 ELISA Kit | TGFB2 elisa kit

Human TGFB2 PicoKine ELISA Kit

CATALOG #
AAA45935

REACTIVITY
Human

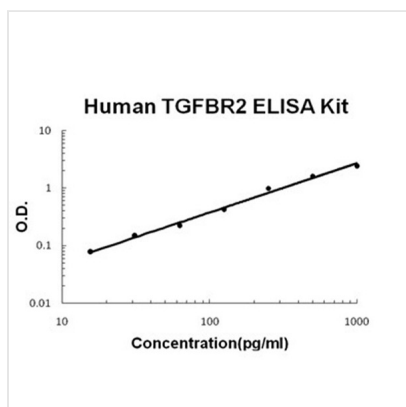
PRODUCT SYNONYMS

TGFB2; Human TGFB2 PicoKine ELISA Kit; TGF-beta receptor type-2; transforming growth factor; beta receptor II (70/80kDa); AAT 3; AAT3; FAA 3; FAA3; HNPCC6; LDS1B; LDS2B; MFS 2; MFS2; RIIC; TAAD 2; TAAD2; TbetaR II; TbetaR-II; TGF beta receptor type 2; TGF beta receptor type II; TGF beta receptor type IIB; TGF beta type II receptor; TGF-beta receptor type II; TGF-beta type II receptor; TGFB R2; TGFbeta - RII; TGFbeta RII; TGFB2; TGFR 2; TGFR-2; TGFR2; TGFR2_HUMAN; Transforming growth factor beta receptor II; Transforming growth factor beta receptor type II; Transforming growth factor beta receptor type IIC; Transforming growth factor; Transforming growth factor-beta receptor type II; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TGFB2
Sequence Length	567
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/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 TGFB2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TGFR2 elisa kit	Principle of the assay: human TGFR2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TGFR2 has been precoated onto 96-well plates. Standards(NSO, I24-D159) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TGFR2 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 TGFR2 amount of sample captured in plate. Background: TGFR2(transforming growth factor, beta receptor II (70/80kDa)), also known as TGF-beta receptor type-2, TGFR-2, TGF-beta type II receptor, Transforming growth factor-beta receptor type II(TGF-beta receptor type II, TbetaR-II), is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. A TGFR2 cDNA encoding a deduced 565-amino acid protein with a calculated molecular mass of approximately 60 kD in length. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan syndrome, Loeys-Deitz aortic aneurysm syndrome, Osler-Weber-Rendu syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different informs have been characterized. TGFR2 may be a target of the EWS-FLI1 fusion protein found in Ewing sarcoma and related peripheral primitive neuroectodermal tumors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116242818
NCBI GeneID	7048
UniProt Accession #	P37173; Q15580; Q6DKT6; Q99474; B4DTV5
Molecular Weight	67,457 Da
NCBI Official Full Name	TGF-beta receptor type-2
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II (70/80kDa)
NCBI Official Symbol	TGFR2
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	TGFR2
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.