

Human TGFR2 ELISA Kit | TGFR2 elisa kit

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CATALOG # AAA261663	REACTIVITY Human	APPLICATIONS ELISA
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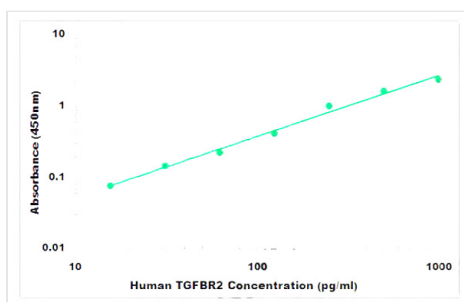
PRODUCT SYNONYMS

TGFR2; Human TGFR2 ELISA Kit; 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; TGFR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human TGFR2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human TGFR2 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	567
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 10 pg/ml
Applicable Applications for TGFR2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFR2 elisa kit	Principle of the Assay: The AAA Biotech' Human TGFR2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human TGFR2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human TGFR2 coated on a 96-well plate. Standards and samples are pipetted into the wells and TGFR2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human TGFR2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TGFR2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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, 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
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
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tgfr2/261663>