

Human TGF beta receptor type 2 (TGFB2) ELISA Kit | TGFB2 elisa kit

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CATALOG #
AAA245504

REACTIVITY
Human

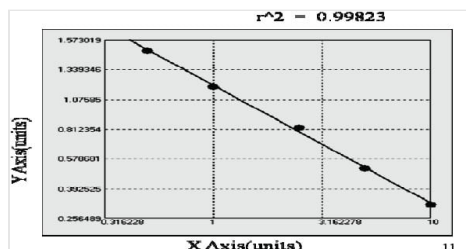
PRODUCT SYNONYMS

TGF beta receptor type 2 (TGFB2); Human TGF beta receptor type 2 (TGFB2) ELISA Kit; Human TGF b receptor type 2 (TGFB2) ELISA Kit; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TGF-beta2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TGF-beta2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB2 elisa kit

Principle of the assay: TGF-beta2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TGF-beta2 antibody and an TGF-beta2-HRP conjugate. The assay sample and buffer are incubated together with TGF-beta2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TGF-beta2 concentration since TGF-beta2 from samples and TGF-beta2-HRP conjugate compete for the anti-TGF-beta2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TGF-beta2 from the sample, fewer sites are left to bind TGF-beta2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGF-beta2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TGFB2 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782324
NCBI GeneID	7048
NCBI Accession #	NP_003233.4
NCBI GenBank Nucleotide #	NM_003242.5
Molecular Weight	67,457 Da
NCBI Official Full Name	TGF-beta receptor type-2 isoform B
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II (70/80kDa)
NCBI Official Symbol	TGFBR2
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	TGFBR2
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/tgf-beta-receptor-type-2-tgfr2/245504>