

Mouse TGF-beta Receptor Type-2 (TGFB2) ELISA Kit | TGFB2 elisa kit

Mouse TGF-beta Receptor Type-2 (TGFB2) ELISA Kit

CATALOG #
AAA332382

REACTIVITY
Mouse

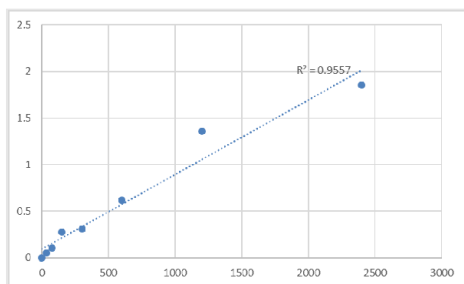
PRODUCT SYNONYMS

TGF-beta Receptor Type-2 (TGFB2); Mouse TGF-beta Receptor Type-2 (TGFB2) ELISA Kit; TGFB2; AAT3; FAA3; LDS1B; LDS2B; MFS2; RIIC; TAAD2; TGFR-2; TGFBeta-RII; TGF-beta receptor typeB; TGF-beta type receptor; transforming growth factor beta receptor typeC; transforming growth factor; b; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse TGF-beta receptor type-2 (TGFB2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TGFB2. No significant cross-reactivity or interference between Mouse TGFB2 and analogues was observed.
Sequence Length	592
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse TGF-beta receptor type-2 (TGFB2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TGFBR2 elisa kit	Description: This Mouse TGF-beta receptor type-2 (TGFB2) ELISA Kit employs a two-site sandwich ELISA to quantitate TGFB2 in samples. An antibody specific for TGFB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TGFB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TGFB2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TGFB2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TGFB2 encodes a member of the serine/threonine protein kinase family and the TGFB receptor subfamily. 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 TGFB2 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 isoforms have been characterized.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	239787881
NCBI GeneID	21813
NCBI Accession #	NP_033397.3
NCBI GenBank Nucleotide #	NP_033397.3
UniProt Accession #	Q62312
NCBI Official Full Name	TGF-beta receptor type-2 isoform 1
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II
NCBI Official Symbol	Tgfb2
NCBI Official Synonym Symbols	DNIIR; RIIDN; TBR-II; AU042018; TbetaRII; TbetaR-II; 1110020H15Rik
NCBI Protein Information	TGF-beta receptor type-2
UniProt Protein Name	TGF-beta receptor type-2
UniProt Gene Name	Tgfb2
UniProt Synonym Gene Names	TGFR-2; TGF-beta receptor type II; TbetaR-II

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.