

Mouse TGF-beta Receptor Type-1 (TGFB1) ELISA Kit | TGFB1 elisa kit

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CATALOG #
AAA332381

REACTIVITY
Mouse

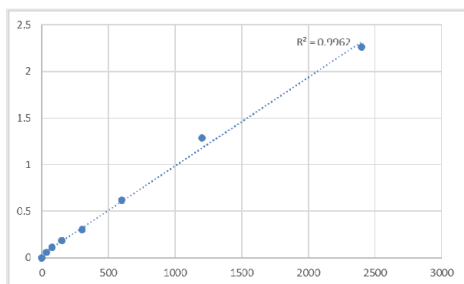
PRODUCT SYNONYMS

TGF-beta Receptor Type-1 (TGFB1); Mouse TGF-beta Receptor Type-1 (TGFB1) ELISA Kit; TGFB1; AAT5; ACVRLK4; ALK-5; ALK5; LDS1A; LDS2A; SKR4; TGFR-1; activin A receptor type-like kinase; 53kD; 53kDa; activin receptor-like kinase 5; serine/threonine-pro; TGFB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse TGF-beta receptor type-1 (TGFB1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TGFB1. No significant cross-reactivity or interference between Mouse TGFB1 and analogues was observed.
Sequence Length	499
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-1 (TGFB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TGFBR1 elisa kit	Description: This Mouse TGF-beta receptor type-1 (TGFBFR1) ELISA Kit employs a two-site sandwich ELISA to quantitate TGFBFR1 in samples. An antibody specific for TGFBFR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TGFBFR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TGFBFR1 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 TGFBFR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tgfr1 encodes a member of the transforming growth factor beta (TGF-beta) receptor family of proteins. These proteins comprise one component of the TGF-beta signaling pathway, which transduces extracellular signals into gene expression changes to regulate a wide range of cellular responses, including proliferation, migration, differentiation and apoptosis. Homozygous knockout mice for Tgfr1 exhibit impaired angiogenesis and embryonic lethality. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	918410268
NCBI GeneID	21812
NCBI Accession #	NP_001299797.1
NCBI GenBank Nucleotide #	NP_001299797.1
UniProt Accession #	Q64729
NCBI Official Full Name	TGF-beta receptor type-1 isoform 2
NCBI Official Synonym Full Names	transforming growth factor, beta receptor I
NCBI Official Symbol	Tgfr1
NCBI Official Synonym Symbols	ALK5; ESK2; Alk-5; TGFR-1; TbetaRI; AU017191; TbetaR-I
NCBI Protein Information	TGF-beta receptor type-1
UniProt Protein Name	TGF-beta receptor type-1
UniProt Gene Name	Tgfr1
UniProt Synonym Gene Names	TGFR-1; TGF-beta receptor type I; TbetaR-I

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.