

Human TGF-beta receptor type-1 ELISA Kit | TGFB1 elisa kit

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CATALOG #
AAA99928

REACTIVITY
Human

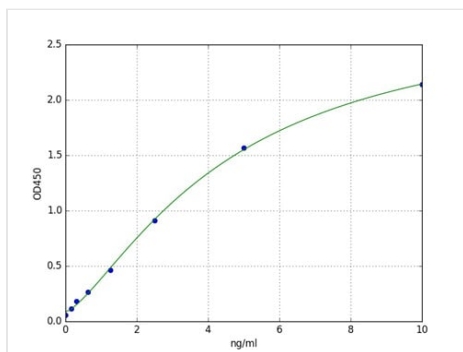
PRODUCT SYNONYMS

TGF-beta receptor type-1; Human TGF-beta receptor type-1 ELISA Kit; TGFB1/AAT5/ALK5/MSSE/SKR4/ALK-5/LDS1A/LDS2A/TGFR-1/ACVRLK4/Transforming growth factor-beta receptor type I (TGF-beta receptor type I/TbetaR-I)/TGF-beta type I receptor/Serine/threonine-protein kinase receptor R4 (SKR4)/Activin A receptor type II-like protein kinase of 53kD/Activin receptor-like kinase 5 (ALK-5/ALK5)/Activin receptor-like kinase 5/ACVRLK4/ALK-5ALK5/LDS1A/LDS2A/Serine/threonine-protein kinase receptor R4/SKR4/tbetaR-I/TbetaR-I/TGF-beta receptor type I/TGF-beta type I receptor/TGFR-1/transforming growth factor beta receptor I/Transforming growth factor-beta receptor type I; TGFB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	507
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human TGFB1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.136	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.091	0.154	0.245	0.281	0.512	0.888	1.466	2.222

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human TGFB1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human TGFB1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 TGFB1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human TGFB1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	817050443
NCBI GeneID	7046
NCBI Accession #	NP_001293139.1
NCBI GenBank Nucleotide #	NM_001306210.1
Molecular Weight	47,690 Da
NCBI Official Full Name	TGF-beta receptor type-1 isoform 3
NCBI Official Synonym Full Names	transforming growth factor beta receptor I
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	AAT5; ALK5; ESS1; LDS1; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1; ACVRLK4; tbetaR-I
NCBI Protein Information	TGF-beta receptor type-1
UniProt Protein Name	TGF-beta receptor type-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	ALK5; SKR4; TGFR-1; ALK-5; ALK5; SKR4; TGF-beta receptor type I; TbetaR-I
UniProt Entry Name	TGFR1_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/tgfb1-human-elisa-kits/tgf-beta-receptor-type-1/99928>