

Mouse Transforming Growth Factor Beta Receptor II (TGFbR2) ELISA Kit | TGFbR2 elisa kit

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CATALOG #
AAA186053

REACTIVITY
Mouse

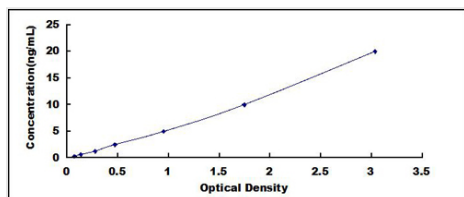
PRODUCT SYNONYMS

Transforming Growth Factor Beta Receptor II (TGFbR2); Mouse Transforming Growth Factor Beta Receptor II (TGFbR2) ELISA Kit; MFS2; TGFbR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Transforming Growth Factor Beta Receptor II (TGFbR2). No significant cross-reactivity or interference between Transforming Growth Factor Beta Receptor II (TGFbR2) and analogues was observed.
Sequence Length	592
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.112ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Transforming Growth Factor Beta Receptor II (TGFbR2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Transforming Growth Factor Beta Receptor II (TGFbR2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFbR2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Transforming Growth Factor Beta Receptor II (TGFbR2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Transforming Growth Factor Beta Receptor II (TGFbR2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Transforming Growth Factor Beta Receptor II (TGFbR2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Transforming Growth Factor Beta Receptor II (TGFbR2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110287585
NCBI GeneID	7048
UniProt Accession #	P37173; Q15580; Q6DKT6; Q99474; B4DTV5
Molecular Weight	67,457 Da
NCBI Official Full Name	transforming growth factor beta receptor II
NCBI Official Synonym Full Names	transforming growth factor beta receptor 2
NCBI Official Symbol	TGFB2
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	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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/transforming-growth-factor-beta-receptor-ii-tgfb2/186053>