

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

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

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| CATALOG #<br><b>AAA64371</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

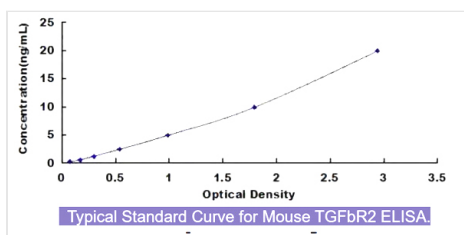
## PRODUCT SYNONYMS

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 TGFbR2. No significant cross-reactivity or interference between TGFbR2 and analogues was observed.                              |
| Sequence Length         | 592                                                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                      |
| Samples                 | Mouse tissue homogenates, cell lysates or other biological fluids                                                                                                                                          |
| Detection Range         | 0.312-20ng/mL                                                                                                                                                                                              |
| Sensitivity             | < 0.105ng/mL                                                                                                                                                                                               |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGFbR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TGFbR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for TGFbR2 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TGFbR2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 TGFbR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TGFbR2 in mouse tissue homogenates, cell lysates or other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 239787881                                                          |
| NCBI GeneID                      | 21813                                                              |
| NCBI Accession #                 | NP_033397.3                                                        |
| NCBI GenBank Nucleotide #        | NM_009371.3                                                        |
| UniProt Accession #              | Q62312; Q63947                                                     |
| Molecular Weight                 | 64,219 Da                                                          |
| 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             | TgfbR2                                                             |
| 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                | TgfbR2                                                             |
| 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-tgfbR2/64371>