

## Mouse Transforming Growth Factor beta1 ELISA Kit | TGF-beta1 elisa kit

Mouse Transforming Growth Factor beta1 ELISA Kit

CATALOG #  
**AAA100124**

REACTIVITY  
**Mouse**

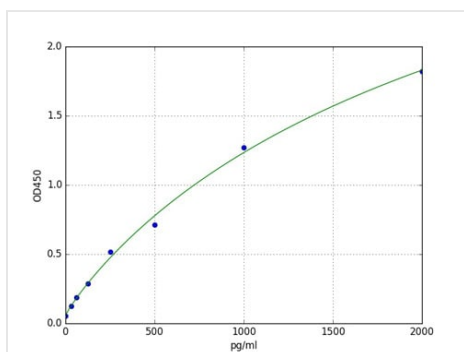
### PRODUCT SYNONYMS

Transforming Growth Factor beta1; Mouse Transforming Growth Factor beta1 ELISA Kit; TGF-b1 (Transforming Growth Factor Beta 1)/TGF-B1/TGFB/TGFbeta/CED/DPD1/TGFB1; Transforming Growth Factor b1; TGF-beta1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 390                                                                                                                                                          |
| 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 Mouse TGF-β1 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 | pg/ml | 0     | 31.2  | 62.5  | 125   | 250   | 500   | 1000  | 2000  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.064 | 0.137 | 0.215 | 0.356 | 0.652 | 1.132 | 1.934 | 2.581 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TGF-beta1 elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse TGF-beta1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse TGF-beta1 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 Mouse TGF-beta1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse TGF-beta1 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 63025222                                        |
| NCBI GeneID                      | 7040                                            |
| NCBI Accession #                 | NP_000651.3                                     |
| NCBI GenBank Nucleotide #        | NM_000660.5                                     |
| Molecular Weight                 | 44,341 Da                                       |
| NCBI Official Full Name          | transforming growth factor beta-1 preproprotein |
| NCBI Official Synonym Full Names | transforming growth factor beta 1               |
| NCBI Official Symbol             | TGFB1                                           |
| NCBI Official Synonym Symbols    | CED; LAP; DPD1; TGFB; TGFbeta                   |
| NCBI Protein Information         | transforming growth factor beta-1               |
| UniProt Protein Name             | Transforming growth factor beta-1               |
| UniProt Gene Name                | TGFB1                                           |
| UniProt Synonym Gene Names       | TGFB; TGF-beta-1; LAP                           |
| UniProt Entry Name               | TGFB1_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/tgf-beta1-mouse-elisa-kits/transforming-growth-factor-beta1/100124>