

## Porcine TGF-beta receptor type-2 (TGFB2) ELISA Kit | TGFB2 elisa kit

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CATALOG #  
**AAA245306**

REACTIVITY  
**Porcine**

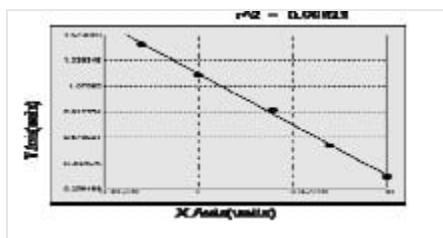
### PRODUCT SYNONYMS

TGF-beta receptor type-2 (TGFB2); Porcine TGF-beta receptor type-2 (TGFB2) ELISA Kit; TGFB2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ug/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TGFB2 elisa kit

**Intended Uses**||This TGF-betaR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine TGF-betaR2. This ELISA kit for research use only!

**Principle of the Assay:** TGF-betaR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TGF-betaR2 antibody and an TGF-betaR2-HRP conjugate. The assay sample and buffer are incubated together with TGF-betaR2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TGF-betaR2 concentration since TGF-betaR2 from samples and TGF-betaR2-HRP conjugate compete for the anti-TGF-betaR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TGF-betaR2 from the sample, fewer sites are left to bind TGF-betaR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGF-betaR2 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for TGFB2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 67782326                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 7048                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001020018.1                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001024847.2                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molecular Weight                 | 67,457 Da                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | TGF-beta receptor type-2 isoform A                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | transforming growth factor, beta receptor II (70/80kDa)                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Symbol             | TGFR2                                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII                                                                                                                                                                                                                                                                                                                                             |
| NCBI Protein Information         | TGF-beta receptor type-2; tbetaR-II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II beta; transforming growth factor, beta receptor II alpha; transforming growth factor, beta receptor II delta; transforming growth factor, beta receptor II gamma; transforming growth factor, beta receptor II epsilon |
| UniProt Protein Name             | TGF-beta receptor type-2                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt Gene Name                | TGFR2                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | TGFR-2; TGF-beta receptor type II; TbetaR-II                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt Entry Name               | TGFR2_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/porcine-elisa-kits/tgf-beta-receptor-type-2-tgfr2/245306>