



# Horse Transforming growth factor beta-1(TGFB1) ELISA kit

|                             |                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>         | CSB-EL023446HO                                                                                                                                                                                                                                                                                                                   |
| <b>Abbreviation</b>         | TGFB1                                                                                                                                                                                                                                                                                                                            |
| <b>Target Name</b>          | transforming growth factor, beta 1                                                                                                                                                                                                                                                                                               |
| <b>Uniprot No.</b>          | O19011                                                                                                                                                                                                                                                                                                                           |
| <b>Alias</b>                | CED, DPD1, LAP, TGFB, TGFbeta, TGF-beta 1 protein latency-associated peptide                                                                                                                                                                                                                                                     |
| <b>Product Type</b>         | ELISA Kit                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b>    | Equus caballus (Horse)                                                                                                                                                                                                                                                                                                           |
| <b>Sample Types</b>         | serum, plasma                                                                                                                                                                                                                                                                                                                    |
| <b>Detection Range</b>      | 3.12 pg/mL-200 pg/mL                                                                                                                                                                                                                                                                                                             |
| <b>Sensitivity</b>          | 1.56 pg/mL                                                                                                                                                                                                                                                                                                                       |
| <b>Assay Time</b>           | 1-5h                                                                                                                                                                                                                                                                                                                             |
| <b>Sample Volume</b>        | 50-100ul                                                                                                                                                                                                                                                                                                                         |
| <b>Detection Wavelength</b> | 450 nm                                                                                                                                                                                                                                                                                                                           |
| <b>Lead Time</b>            | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.                                                                                                                                                                                                                         |
| <b>Research Area</b>        | Signal Transduction                                                                                                                                                                                                                                                                                                              |
| <b>Gene Names</b>           | TGFB1                                                                                                                                                                                                                                                                                                                            |
| <b>Tag Info</b>             | quantitative                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Description</b>  | Competitive                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>          | This Horse TGFB1 ELISA Kit was designed for the quantitative measurement of Horse TGFB1 protein in serum, plasma. It is a Competitive ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 1.56 pg/mL.                                                                                                  |
| <b>Product Precision</b>    | <p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b><br/>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b><br/>Three samples of known concentration were tested in twenty assays to assess.</p> |
| <b>Linearity</b>            | To assess the linearity of the assay, samples were spiked with high concentrations of horse TGFB1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.                                                                                                  |



|       |           |            |
|-------|-----------|------------|
| ?     | Sample    | Serum(n=4) |
| 1:100 | Average % | 96         |
|       | Range %   | 92-100     |
| 1:200 | Average % | 103        |
|       | Range %   | 99-108     |
| 1:400 | Average % | 90         |
|       | Range %   | 86-94      |
| 1:800 | Average % | 92         |
|       | Range %   | 88-96      |

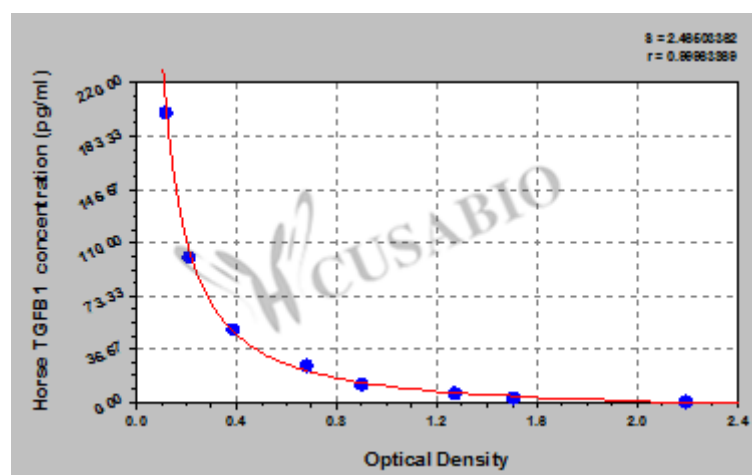
## Recovery

The recovery of horse TGFB1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

| Sample Type       | Average % Recovery | Range |
|-------------------|--------------------|-------|
| Serum (n=5)       | 86                 | 82-90 |
| EDTA plasma (n=4) | 94                 | 90-98 |

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



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| pg/ml | OD1   | OD2   | Average |
|-------|-------|-------|---------|
| 200   | 0.126 | 0.131 | 0.129   |
| 100   | 0.228 | 0.213 | 0.221   |
| 50    | 0.384 | 0.396 | 0.390   |
| 25    | 0.697 | 0.659 | 0.678   |
| 12.5  | 0.908 | 0.872 | 0.890   |
| 6.25  | 1.233 | 1.284 | 1.259   |
| 3.12  | 1.464 | 1.507 | 1.486   |
| 0     | 2.099 | 2.215 | 2.157   |