



Mouse Angiopoietin 2,ANG-2 ELISA Kit

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|-------------------------------------|---|
| Product Code | CSB-E07305m |
| Abbreviation | ANGPT2 |
| Protein Biological Process 1 | Angiogenesis |
| Target Name | angiopoietin 2 |
| Uniprot No. | O35608 |
| Alias | AGPT2, ANG2, Tie2-ligand angiopoietin-2 angiopoietin-2B angiopoietin-2a |
| Product Type | ELISA Kit |
| Immunogen Species | Mus musculus (Mouse) |
| Protein Biological Process 3 | Angiogenesis |
| Sample Types | serum, plasma, cell culture supernates, tissue homogenates |
| Detection Range | 0.156 pg/mL-10 pg/mL |
| Sensitivity | 0.039 pg/mL |
| Assay Time | 1-5h |
| Sample Volume | 50-100ul |
| Detection Wavelength | 450 nm |
| Lead Time | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx. |
| Research Area | Cardiovascular |
| Gene Names | Angpt2 |
| Tag Info | quantitative |
| Protein Description | Sandwich |
| Description | This Mouse ANGPT2 ELISA Kit was designed for the quantitative measurement of Mouse ANGPT2 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 pg/mL-10 pg/mL and the sensitivity is 0.039 pg/mL . |
| Target Details | This protein is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. |
| Product Precision | Intra-assay Precision (Precision within an assay): CV%<8% |



Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse ANG-2 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) |
|-------|-----------|------------|
| 1:20 | Average % | 92 |
| | Range % | 88-95 |
| 1:40 | Average % | 105 |
| | Range % | 100-107 |
| 1:80 | Average % | 93 |
| | Range % | 87-97 |
| 1:160 | Average % | 97 |
| | Range % | 91-101 |

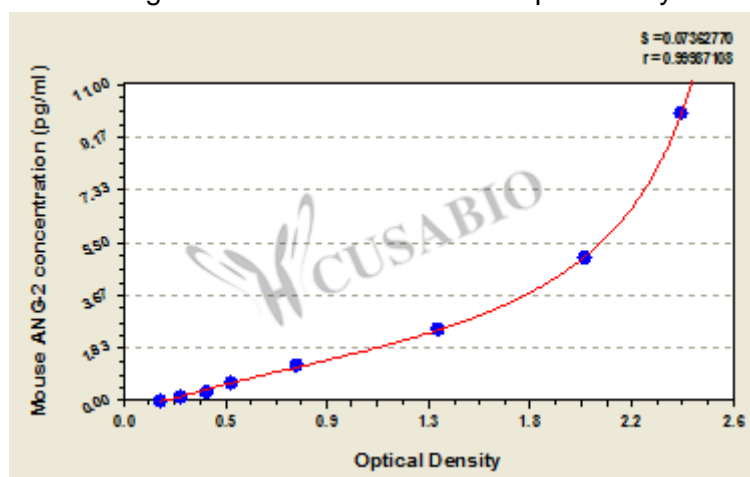
Recovery

The recovery of mouse ANG-2 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) | 95 | 89-98 |
| EDTA plasma (n=4) | 97 | 90-100 |

Typical

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



| pg/ml | OD1 | OD2 | Average | Corrected |
|-------|-------|-------|---------|-----------|
| 10 | 2.427 | 2.411 | 2.419 | 2.250 |
| 5 | 1.988 | 2.022 | 2.005 | 1.836 |
| 2.5 | 1.354 | 1.379 | 1.367 | 1.198 |
| 1.25 | 0.780 | 0.742 | 0.761 | 0.592 |
| 0.625 | 0.495 | 0.464 | 0.480 | 0.311 |
| 0.312 | 0.362 | 0.377 | 0.370 | 0.201 |
| 0.156 | 0.265 | 0.255 | 0.260 | 0.091 |
| 0 | 0.171 | 0.167 | 0.169 | ? |

**Msds**

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