



Mouse Oncostatin-M, OSM ELISA KIT

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|------------------------------|--|
| Product Code | CSB-E04697m |
| Abbreviation | OSM |
| Protein Biological Process 1 | Growth Factor |
| Target Name | oncostatin M |
| Uniprot No. | P53347 |
| Alias | MGC20461 |
| Product Type | ELISA Kit |
| Immunogen Species | Mus musculus (Mouse) |
| Protein Biological Process 3 | Growth regulation |
| Sample Types | serum, plasma, cell culture supernates, tissue homogenates |
| Detection Range | 3.12 pg/mL-200 pg/mL |
| Sensitivity | 0.78 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 | Immunology |
| Gene Names | Osm |
| Tag Info | quantitative |
| Protein Description | Sandwich |
| Description | <p>This Mouse OSM ELISA Kit was designed for the quantitative measurement of Mouse OSM protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 pg/mL.</p> |
| Target Details | <p>Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells.</p> |
| 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 OSM 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 % | 93 |
| | Range % | 88-97 |
| 1:40 | Average % | 84 |
| | Range % | 80-88 |
| 1:80 | Average % | 95 |
| | Range % | 90-100 |
| 1:160 | Average % | 98 |
| | Range % | 94-105 |

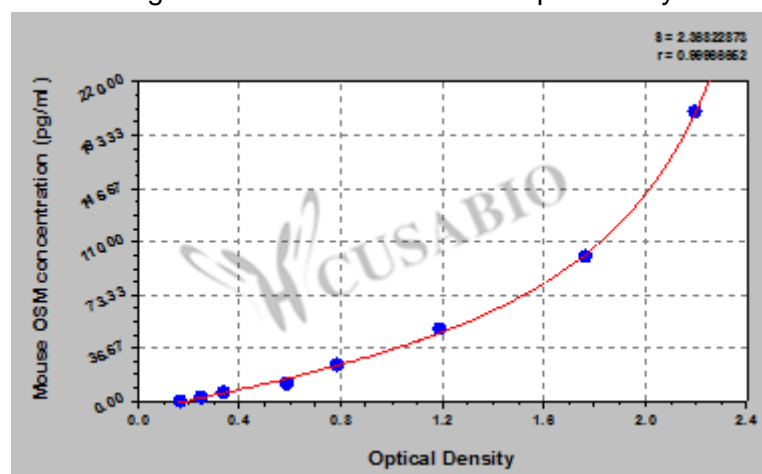
Recovery

The recovery of mouse OSM 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) | 91 | 85-96 |
| EDTA plasma (n=4) | 104 | 100-108 |

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 |
|-------|-------|-------|---------|-----------|
| 200 | 2.234 | 2.151 | 2.193 | 2.014 |
| 100 | 1.715 | 1.807 | 1.761 | 1.582 |
| 50 | 1.234 | 1.154 | 1.194 | 1.015 |
| 25 | 0.779 | 0.813 | 0.796 | 0.617 |
| 12.5 | 0.587 | 0.612 | 0.600 | 0.421 |
| 6.25 | 0.353 | 0.345 | 0.349 | 0.170 |
| 3.12 | 0.271 | 0.257 | 0.264 | 0.085 |
| 0 | 0.183 | 0.175 | 0.179 | |

**Msd**

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