

Product Datasheet

Mouse IL-6 ELISA Kit (Colorimetric) NBP1-92668

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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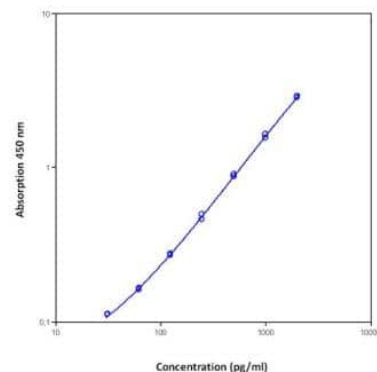
NBP1-92668**Mouse IL-6 ELISA Kit (Colorimetric)**

| Product Information | |
|------------------------------------|--|
| Unit Size | 96 Tests |
| Concentration | Concentration is not relevant for this product. Please see the protocols for proper use of this product. |
| Storage | Storage of components varies. See protocol for specific instructions. |
| Product Description | |
| Description | This Mouse IL-6 ELISA contains the necessary reagents, from pre-coated plates to standards, buffers and diluents for performing quantitative enzyme-linked immunosorbent assays (ELISA). This ELISA kit is specifically engineered for accurate and precise measurement of IL-6 protein levels from samples including serum, plasma, and supernatants from cell cultures. |
| Gene ID | 3569 |
| Gene Symbol | IL6 |
| Species | Mouse |
| Specificity/Sensitivity | The interference of circulating factors of the immune system was evaluated by spiking these proteins at physiologically relevant concentrations into a mouse IL-6 positive serum. There was no cross reactivity observed with mouse IL-17, IL-2, IFN-gamma, TFN-alpha, IL-5, IL-1alpha, GM-CSF, IL-4, IL-10. |
| Kit Components | Aluminium pouch(es) with a Microwell Plate coated with monoclonal antibody to mouse IL-6, Biotin-Conjugate anti-mouse IL-6 monoclonal antibody, Streptavidin-HRP, Mouse IL-6 Standard lyophilized, 4 ng/mL upon reconstitution, Sample Diluent, Assay Buffer, Amplification Diluent Concentrate (2x), Amplification Reagent I*, Amplification Reagent II, Wash Buffer Concentrate 20x (PBS with 1% Tween 20), Substrate Solution (tetramethyl-benzidine), Stop Solution (1M Phosphoric acid), Adhesive Films, * reagent contains ethyl alcohol |
| Standard Curve Range | 31.3 - 2,000 pg/mL |
| Sensitivity | 6.5 pg/mL |
| Inter Assay | CV% < 8.9% |
| Intra Assay | CV% < 5.0% |
| Assay Type | Sandwich ELISA |
| Spiking Recovery | Please see protocol for more specific Spike Recovery details. |
| Suitable Sample Type | Cell culture supernatant, serum, plasma (EDTA, citrate), buffered solution |
| Sample Volume | 50ul |
| Product Application Details | |
| Applications | ELISA |
| Recommended Dilutions | ELISA |



Images

ELISA: Mouse IL-6 ELISA Kit [NBP1-92668] - Standard curve using mouse IL-6 ELISA Kit.



Publications

Alexandra O. Johnson, Braden M. Shipman, Benjamin C. Hunt, Brian S. Learman, Aimee L. Brauer, Serena P. Zhou, Rachael Hageman Blair, Nicole J. De Nisco, Chelsie E. Armbruster, Andreas J. Bäuml Function and contribution of two putative *Enterococcus faecalis* glycosaminoglycan degrading enzymes to bacteremia and catheter-associated urinary tract infection *Infection and Immunity* 2024-07-01 [PMID: 38842305]

Luan G, Pan F, Bu L Et Al. Butorphanol Promotes Macrophage Phenotypic Transition to Inhibit Inflammatory Lung Injury via kappa Receptors *Frontiers in immunology* 2021-07-07 [PMID: 34305926] (ELISA)

Zhang R, Yuan F, Shu Y Personalized neoantigen-pulsed dendritic cell vaccines show superior immunogenicity to neoantigen-adjuvant vaccines in mouse tumor models *Cancer Immunol. Immunother.* 2019-12-05 [PMID: 31807878] (ELISA, Mouse)

Wang J, Zhao L, Li Y et al. HuR induces inflammatory responses in HUVECs and murine sepsis via binding to HMGB1. *Mol Med Rep* 2018-01-01 [PMID: 29115544]



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Products Related to NBP1-92668

| | |
|-----------------|--------------------------------|
| NBP2-35134-10ug | Recombinant Mouse IL-6 Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| D6050B | IL-6 [HRP] |
| DVE00 | VEGF [HRP] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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