

## Human IL-2 ELISA Kit | IL-2 elisa kit

Human IL-2 PicoKine Quick ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA128052</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

IL-2; Human IL-2 PicoKine Quick ELISA Kit; Interleukin-2; T-cell growth factor; TCGF; Aldesleukin; IL2; IL-2 elisa kit

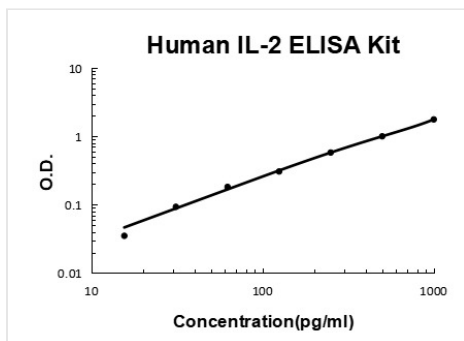
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human                                                                                                                                                                                                                                                                                                                                                                                            |
| Samples                                           | cell culture supernatants, serum and plasma ( heparin, EDTA, citrate)                                                                                                                                                                                                                                                                                                                            |
| Assay Range                                       | 15.6pg/ml-1,000pg/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity                                       | <1pg/ml                                                                                                                                                                                                                                                                                                                                                                                          |
| Capture antibody and Detection antibody           | monoclonal antibody from mouse polyclonal antibody from goat                                                                                                                                                                                                                                                                                                                                     |
| Immunogen                                         | Expression system for standard: E coli; Immunogen sequence: A21-T153                                                                                                                                                                                                                                                                                                                             |
| Anticoagulant                                     | heparin, EDTA or citrate                                                                                                                                                                                                                                                                                                                                                                         |
| Cross Reactivity                                  | There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for IL-2 elisa kit        | ELISA                                                                                                                                                                                                                                                                                                                                                                                            |
| Kit Components                                    | Description/Quantity<br>Pre-coated 96-well strip microplate/1<br>Standard/2 vials, 10 ng/tube<br>Biotinylated antibody (100x)/100ul<br>Avidin-Biotin-Peroxidase Complex (100x)/100ul<br>Sample Diluent/30ml<br>Antibody Diluent/12ml<br>Avidin-Biotin-Peroxidase Diluent/12ml<br>Color Developing Reagent (TMB)/10ml<br>Stop Solution/10ml<br>Wash Buffer (25x)/20ml<br>Adhesive plate sealers/4 |
| Materials Required But Not Provided               | Microplate Reader capable of reading absorbance at 450nm.<br>Incubator.<br>Automated plate washer (optional).<br>Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions.<br>Multichannel pipettes are recommended for large amount of samples.<br>Deionized or distilled water.<br>500ml graduated cylinders.<br>Test tubes for dilution.      |
| Sample Data                                       | Concentration (pg/ml)015.631.262.512525050010000.D.0.0300.0650.1230.2120.3360.6091.0311.798                                                                                                                                                                                                                                                                                                      |
| Intra Assay Consistency & Inter Assay Consistency | Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean (pg/ml)3115848428169474Standard deviation1.278.84301.1410.9838.39CV (%)4.1%5.6%6.2%4.1%6.5%8.1%                                                                                                                                                                                                                          |
| Reproducibility                                   | LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 131292830291.113.8%Sample 21581601511631584.412.7%Sample 34844694884804807.081.4%*number of samples for each test n=16.                                                                                                                                                                       |

#### Preparation and Storage

Store at 4 degree C for 6 months. (Ships with gel ice, can store for up to 3 days in room temperature. Refrigerate upon receipt.)

## IMAGES



Standard Curve (Sample)

Human IL-2 PicoKine ELISA Kit standard curve

## ADDITIONAL INFORMATION

#### Related Product Information for IL-2 elisa kit

The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.

#### Product Categories/Family for IL-2 elisa kit

[Quick ELISA Kits](#)

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">28178861</a>                                                                            |
| NCBI GeneID                      | <a href="#">3558</a>                                                                                |
| NCBI Accession #                 | <a href="#">NP_000577.2</a>                                                                         |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000586.3</a>                                                                         |
| UniProt Accession #              | <a href="#">P60568</a> ; <a href="#">P01585</a>                                                     |
| Molecular Weight                 | 17,628 Da                                                                                           |
| NCBI Official Full Name          | interleukin-2                                                                                       |
| NCBI Official Synonym Full Names | interleukin 2                                                                                       |
| NCBI Official Symbol             | IL2                                                                                                 |
| NCBI Official Synonym Symbols    | IL-2; TCGF; lymphokine                                                                              |
| NCBI Protein Information         | interleukin-2; aldesleukin; T cell growth factor; involved in regulation of T-cell clonal expansion |
| UniProt Protein Name             | Interleukin-2                                                                                       |
| UniProt Gene Name                | <b>IL2</b>                                                                                          |
| UniProt Synonym Gene Names       | IL-2; TCGF                                                                                          |
| UniProt Entry Name               | IL2_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.