

## Human interleukin 7 ELISA Kit | IL7 elisa kit

Human Interleukin-7, IL-7 ELISA Kit

CATALOG #  
**AAA80339**

REACTIVITY  
**Human**

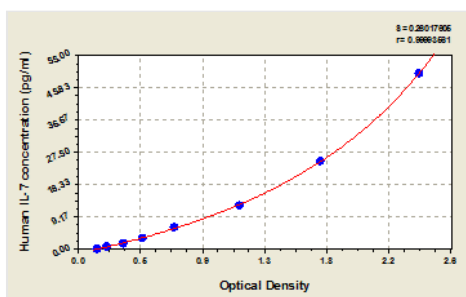
### PRODUCT SYNONYMS

interleukin 7; Human Interleukin-7; IL-7 ELISA Kit; IL-7 ELISA kit; IL-7; IL7 nirs variant 6; IL7 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human IL-7. No significant cross-reactivity or interference between human IL-7 and analogues was observed. |
| Sequence Length         | 177                                                                                                                                                                                   |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                            |
| Assay Type              | Sandwich                                                                                                                                                                              |
| Detection Range         | 7.8 pg/ml-500 pg/ml                                                                                                                                                                   |
| Sensitivity             | 1.95pg/mL                                                                                                                                                                             |
| Intra-assay 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   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                               |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                     |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL7 elisa kit | Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IL-7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-7 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-7 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 4504677                        |
| NCBI GeneID                      | 3574                           |
| NCBI Accession #                 | NP_000871.1                    |
| NCBI GenBank Nucleotide #        | NM_000880.3                    |
| UniProt Accession #              | P13232; Q5FBY5; Q5FBY9; A0N0L3 |
| Molecular Weight                 | 20,187 Da                      |
| NCBI Official Full Name          | interleukin-7 isoform 1        |
| NCBI Official Synonym Full Names | interleukin 7                  |
| NCBI Official Symbol             | IL7                            |
| NCBI Official Synonym Symbols    | IL-7                           |
| NCBI Protein Information         | interleukin-7                  |
| UniProt Protein Name             | Interleukin-7                  |
| UniProt Gene Name                | IL7                            |
| UniProt Synonym Gene Names       | IL-7                           |
| UniProt Entry Name               | IL7_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.