

## Rat IL-3 ELISA Kit | IL3 elisa kit

Rat IL-3 PicoKine ELISA Kit

CATALOG #  
**AAA45900**

REACTIVITY  
**Rat**

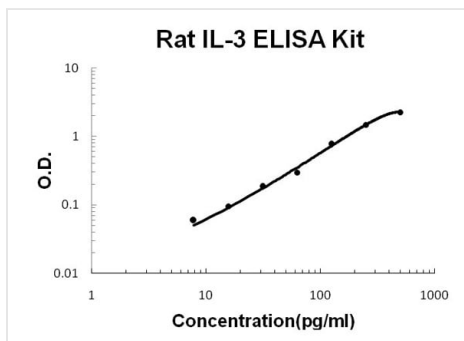
### PRODUCT SYNONYMS

IL-3; Rat IL-3 PicoKine ELISA Kit; Interleukin-3; interleukin 3; Burst promoting activity; Colony stimulating factor multiple; Eosinophil colony stimulating factor; Hematopoietic growth factor; IL 3; IL3; IL3\_HUMAN; Interleukin 3; Mast cell growth factor; MCGF; Multi CSF; Multilineage colony stimulating factor; Multipotential colony stimulating factor; Multipotential colony-stimulating factor; P cell stimulating factor; P-cell-stimulating factor; Thy1 inducing factor; IL3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                   |
| Specificity             | Natural and recombinant rat IL-3                                                                                                                      |
| Sequence Length         | 166                                                                                                                                                   |
| Samples                 | Cell culture supernates and serum                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 7.8pg/ml-500pg/ml                                                                                                                                     |
| Sensitivity             | < 10pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

Rat IL-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Related Product Information for IL3 elisa kit | <p><b>Principle of the assay:</b> Rat IL-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-3 has been precoated onto 96-well plates. Standards(E.coli, I27-C169) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat IL-3 amount of sample captured in plate.</p> <p><b>Background:</b> The gene IL-3 encodes interleukin 3, a hematopoietic colony-stimulating factor(CSF) that is capable of supporting the proliferation of a broad range of hematopoietic cell types. Interleukin-3(IL-3), a protein of 140 amino acids, is chemically synthesized by means of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3. The cDNA sequence for murine interleukin-3, one of the colony stimulating factors that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide. The mouse IL 3 gene is located on chromosome 11. The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5.5 The standard product used in this kit is recombinant human IL-3, consisting of 133 amino acids with the molecular mass of 15KDa.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 124334                                                                                                                                               |
| NCBI GeneID                      | 24495                                                                                                                                                |
| UniProt Accession #              | P04823; P70513                                                                                                                                       |
| Molecular Weight                 | 18,631 Da                                                                                                                                            |
| NCBI Official Full Name          | Interleukin-3                                                                                                                                        |
| NCBI Official Synonym Full Names | interleukin 3                                                                                                                                        |
| NCBI Official Symbol             | IL3                                                                                                                                                  |
| NCBI Protein Information         | interleukin-3; IL-3; MCGF; mast cell growth factor; P-cell-stimulating factor; hematopoietic growth factor; multipotential colony-stimulating factor |
| UniProt Protein Name             | Interleukin-3                                                                                                                                        |
| UniProt Gene Name                | IL3                                                                                                                                                  |
| UniProt Synonym Gene Names       | IL-3; IL-3; MCGF                                                                                                                                     |
| UniProt Entry Name               | IL3_RAT                                                                                                                                              |

**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.