

## Mouse Interleukin-2 Receptor ELISA Kit | IL-2R elisa kit

Mouse Interleukin-2 Receptor ELISA Kit

CATALOG #  
**AAA99101**

REACTIVITY  
**Mouse**

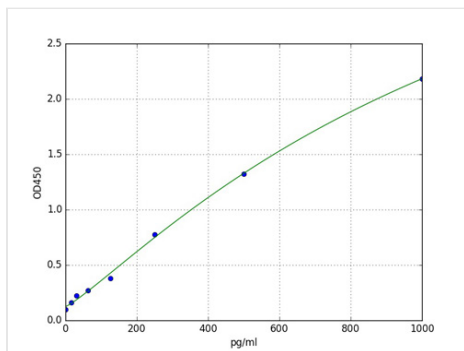
### PRODUCT SYNONYMS

Interleukin-2 Receptor; Mouse Interleukin-2 Receptor ELISA Kit; IL-2R; IL-2R elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 6                                                                                                                                                            |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                             |
| Sensitivity             | 9.375pg/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

#### Typical Data & Standard Curve

Results of a typical standard run of a Mouse IL-2R ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | pg/ml | 0     | 15.6  | 31.2  | 62.5  | 125   | 250   | 500   | 1000  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.003 | 0.036 | 0.085 | 0.148 | 0.328 | 0.722 | 1.308 | 2.314 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

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

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse IL-2R antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse IL-2R antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 Mouse IL-2R amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse IL-2R can be calculated.

### NCBI AND UNIPROT INFORMATION

NCBI GI #

186325

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GeneID                      | 3559                                                              |
| Molecular Weight                 | 30,819 Da                                                         |
| NCBI Official Full Name          | interleukin 2 receptor, partial                                   |
| NCBI Official Synonym Full Names | interleukin 2 receptor subunit alpha                              |
| NCBI Official Symbol             | IL2RA                                                             |
| NCBI Official Synonym Symbols    | p55; CD25; IL2R; IMD41; TCGFR; IDDM10                             |
| NCBI Protein Information         | interleukin-2 receptor subunit alpha                              |
| UniProt Protein Name             | Interleukin-2 receptor subunit alpha                              |
| UniProt Gene Name                | IL2RA                                                             |
| UniProt Synonym Gene Names       | IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA |
| UniProt Entry Name               | IL2RA_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.

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Online datasheet: <https://stage.aaabiotech.com/il-2r-mouse-elisa-kits/interleukin-2-receptor/99101>