

# IL2RA monoclonal antibody, clone 143-13

Catalog # MAB21093      Size 100 ug

## Specification

|                            |                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against human IL2RA.                                                                                                              |
| <b>Immunogen</b>           | Stimulated human leukocytes                                                                                                                                        |
| <b>Host</b>                | Mouse                                                                                                                                                              |
| <b>Reactivity</b>          | Human                                                                                                                                                              |
| <b>Form</b>                | Liquid                                                                                                                                                             |
| <b>Purification</b>        | Protein A/G purification                                                                                                                                           |
| <b>Isotype</b>             | IgG1, kappa                                                                                                                                                        |
| <b>Recommend Usage</b>     | Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells in 0.1 mL)<br>Immunofluorescence (0.5-1ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In 10 mM PBS (0.05% BSA, 0.05% sodium azide)                                                                                                                       |
| <b>Storage Instruction</b> | Store at 2 to 8°C.                                                                                                                                                 |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                             |

## Applications

- Immunofluorescence
- Flow Cytometry

## Gene Info — IL2RA

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3559</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Accession# | <a href="#">P01589</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | IL2RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Alias         | CD25, IDDM10, IL2R, TCGFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description   | interleukin 2 receptor, alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Omim ID            | <a href="#">147730</a> <a href="#">601942</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Summary       | The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. [provided by RefSeq] |
| Other Designations | Interleukin-2 receptor OTTHUMP00000019030 OTTHUMP00000044870 interleukin 2 receptor, alpha chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

## Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Addison Disease](#)
- [Alopecia Areata](#)
- [Alzheimer Disease](#)

- [Arthritis](#)
- [Asthma](#)
- [Atrial Fibrillation](#)
- [Autoimmune Diseases](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Colitis](#)
- [Connective Tissue Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Lupus Erythematosus](#)
- [Measles](#)

- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Mumps](#)
- [Musculoskeletal Diseases](#)
- [Obstetric Labor](#)
- [Prediabetic State](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rubella](#)
- [Skin Diseases](#)
- [Thyroid Diseases](#)
- [Vasculitis](#)
- [Vitiligo](#)