# IL2RA monoclonal antibody, clone IL2RA/423

Catalog # MAB21095 Size 100 ug

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against recombinant human IL2RA. |
| **Immunogen** | Recombinant protein corresponding to human IL2RA. |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A/G purification |
| **Isotype** | IgG2a, kappa |
| **Recommend Usage** | Flow Cytometry (0.5-1 ug/$10^6$ cells in 0.1 mL)<br>Immunofluorescence (0.5-1ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS (0.05% BSA, 0.05% sodium azide) |
| **Storage Instruction** | Store at 2 to 8°C. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunofluorescence
- Flow Cytometry

## Gene Info — IL2RA

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|---|---|
| **Entrez GeneID** | 3559 |
| **Protein Accession#** | P01589 |
| **Gene Name** | IL2RA |
| **Gene Alias** | CD25, IDDM10, IL2R, TCGFR |
| **Gene Description** | interleukin 2 receptor, alpha |
| **Omim ID** | 147730 601942 |
| **Gene Ontology** | Hyperlink |
| **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 r eceptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determine d to result from extracellular proteolyisis. Alternately-spliced IL2RA mRNAs have been isolated, b ut the significance of each is presently unknown. [provided by RefSeq |
| **Other Designations** | Interleukin-2 receptor\|OTTHUMP00000019030\|OTTHUMP00000044870\|interleukin 2 receptor, al pha chain |

## Pathway

- Cytokine-cytokine receptor interaction
- Endocytosis
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

## Disease

- Acquired Immunodeficiency Syndrome
- Addison Disease
- Alopecia Areata
- Alzheimer Disease

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- 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

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- 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

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