

IL2RA/B/G monoclonal antibody, clone NR-72

Catalog # MAB1350

Size 200 ug

Specification

Product Description	Mouse monoclonal antibody raised against native IL2RA/B/G.
Immunogen	Native from Con-A activated human PBL T cells.
Host	Mouse
Reactivity	Human
Specificity	React with human IL2 receptor. Chain specificity was not determined.
Form	Lyophilized
Isotype	IgG
Quality Control Testing	Antibody Reactive Against PBL T cells.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IL2RA

Entrez GeneID	3559
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 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

Gene Info — IL2RB

Entrez GeneID	3560
Gene Name	IL2RB
Gene Alias	CD122, P70-75
Gene Description	interleukin 2 receptor, beta
Omim ID	146710
Gene Ontology	Hyperlink
Gene Summary	The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein. [provided by RefSeq]
Other Designations	CD122 antigen OTTHUMP00000028799 high affinity IL-2 receptor beta subunit interleukin 2 receptor beta

Gene Info — IL2RG

Entrez GeneID	3561
---------------	----------------------

Gene Name	IL2RG
Gene Alias	CD132, IMD4, SCIDX, SCIDX1
Gene Description	interleukin 2 receptor, gamma (severe combined immunodeficiency)
Omim ID	300400 308380 312863
Gene Ontology	Hyperlink
Gene Summary	The interleukin 2 (IL2) receptor gamma chain (IL2RG), an important signalling component of many interleukin receptors (IL2,IL4,IL7,IL9, and IL15), is thus referred to as the common gamma chain. Mutations in this X-chromosome-linked gene cause X-linked severe combined immunodeficiency (XSCID). [provided by RefSeq]
Other Designations	common cytokine receptor gamma chain interleukin 2 receptor gamma chain interleukin 2 receptor, gamma

Pathway

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

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Addison Disease](#)

- [Alopecia Areata](#)
- [Alzheimer Disease](#)
- [Arthritis](#)
- [Arthritis](#)
- [Asthma](#)
- [Asthma](#)
- [Asthma](#)
- [Atrial Fibrillation](#)
- [Autoimmune Diseases](#)
- [Bipolar Disorder](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Bronchiolitis](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Celiac Disease](#)
- [Chagas Disease](#)
- [Chorioamnionitis](#)
- [Colitis](#)
- [Colitis](#)
- [Connective Tissue Diseases](#)
- [Connective Tissue Diseases](#)

- [Crohn Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Progression](#)
- [Edema](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hepatitis C](#)
- [Hyperparathyroidism](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Hypersensitivity](#)
- [Immunologic Deficiency Syndromes](#)
- [Infant](#)
- [Infant](#)
- [Infant](#)

- [Infection](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leishmaniasis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphopenia](#)
- [Measles](#)
- [Measles](#)
- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Multiple Sclerosis](#)
- [Mumps](#)
- [Mumps](#)
- [Musculoskeletal Diseases](#)
- [Musculoskeletal Diseases](#)
- [Myasthenia Gravis](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Pain](#)
- [Prediabetic State](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)

- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Respiratory Syncytial Virus Infections](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rubella](#)
- [Rubella](#)
- [Schizophrenia](#)
- [Severe combined immunodeficiency](#)
- [Skin Diseases](#)
- [Skin Diseases](#)
- [Thyroid Diseases](#)
- [Tobacco Use Disorder](#)
- [Vasculitis](#)
- [Viremia](#)
- [Vitiligo](#)
- [Wegener Granulomatosis](#)