

RecomAb™

HuAb

IL2RA humanized monoclonal antibody, clone Basiliximab

Catalog # RAB00048

Size 200 ug

Specification

Product Description	Humanized recombinant monoclonal antibody raised against human IL2RA.
Antibody Species	Human
Reactivity	Human
Specificity	Basiliximab recognises the human IL-2R and binds to the epitope (116)ERIYHFV(122) within the extracellular domain of the CD25 subunit- binding is abolished when 2 or more residues within the epitope are mutated. This epitope overlaps with the interaction site of CD25 and IL-2. CD25 is found in the high-affinity IL-2R (alpha beta gamma c)- T cells only express CD25 upon activation. IL-2 binding to IL-2R on T cells modulates proliferation and differentiation.
Form	Liquid
Preparation Method	Basiliximab was prepared by immunizing BALB/c mice with CTC 16 cells.
Purification	Protein A affinity purification
Isotype	Human IgG1, kappa
Recommend Usage	Blocking Flow Cytometry (1 ug/mL) Immunofluorescence Immunohistochemistry (5 ug/mL) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.02% Proclin 300)
Storage Instruction	Store at 4°C for up to 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This is a chimeric antibody created for improved compatibility with existing reagents, assays and techniques.

Applications

- Western Blot
- Immunohistochemistry
- Immunofluorescence
- Blocking
- Flow Cytometry

Gene Info — IL2RA

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 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](#)