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	Mammalian cell (HEK293) expression system
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

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

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 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

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- 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

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- 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

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