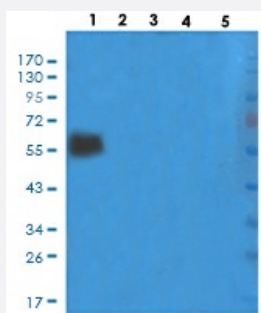


RecomAb™

IL2RA recombinant monoclonal antibody, clone Basiliximab

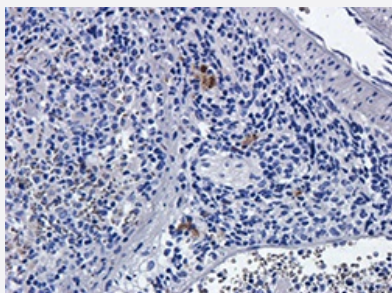
Catalog # RAB01170 Size 200 ug

Applications



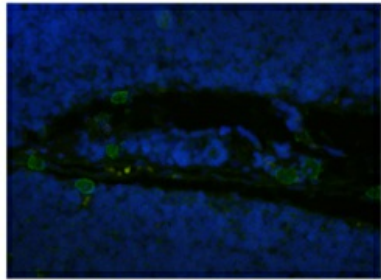
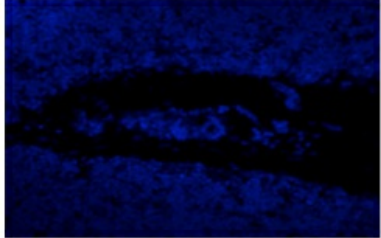
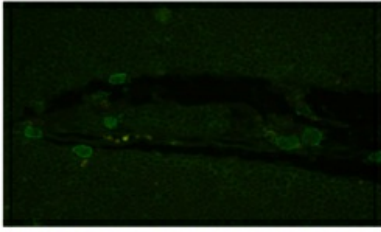
Western Blot

Western Blot analysis were resolved on a 10% SDS PAGE gel and blots probed at 1 ug/mL before being detected by a secondary antibody.



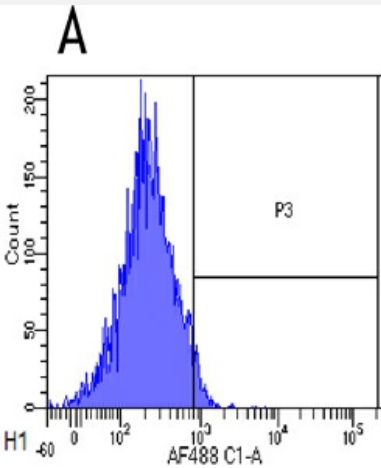
Immunohistochemistry

Immunohistochemistry analysis of Formalin fixed rat spleen slices were were stained at 5 ug/mL. The anti-human CD25 antibody also shows some cross-reactivity with rat in IHC.



Immunofluorescence

Immunofluorescence analysis of formaldehyde-fixed rat thymus slices were stained at 5 ug/mL and detected with a FITC-conjugated secondary antibody.



Flow Cytometry

Flow-cytometry were stained with an isotype control at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human IL-2R.
Antibody Species	Mouse
Immunogen	Original antibody is raised against by immunizing BALB/c mice with CTC 16 cells
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 ($\alpha\beta\gamma\epsilon$) - T cells only express CD25 upon activation. IL-2 binding to IL-2R on T cells modulates proliferation and differentiation.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG1, Kappa
Recommend Usage	Flow cytometry Immunofluorescence Immunohistochemistry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Applications

- Western Blot

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- Immunofluorescence

Immunofluorescence analysis of formaldehyde-fixed rat thymus slices were stained at 5 ug/mL and detected with a FITC-conjugated secondary antibody.

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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](#)