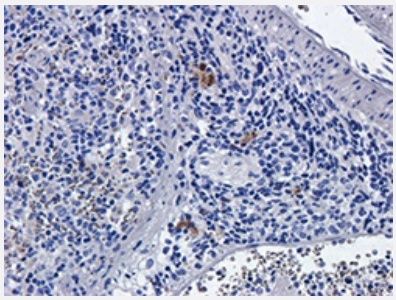
RecomAb™

IL2RA recombinant monoclonal antibody, clone Basiliximab

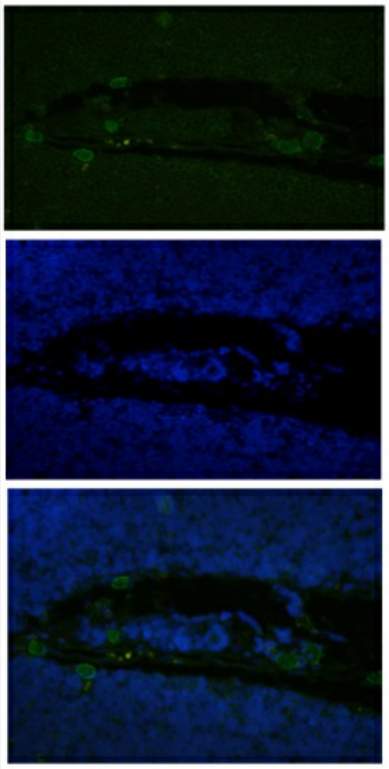
Catalog # RAB01170 Size 200 ug

Applications



Immunohistochemistry

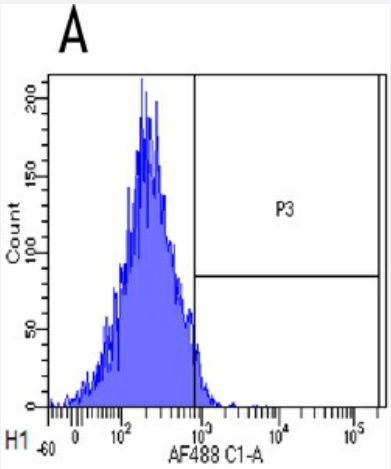
Immunohistochemistry analysis of Formalin fixed rat spleen slices were were stained at 5 ug/mL. The anti-human CD25 antibody also shows some cross-reactivity with rat in IHC.



Immunofluorescence

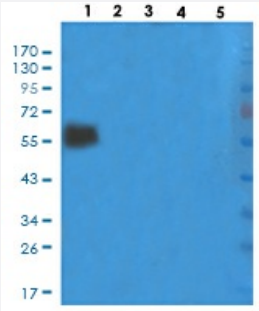
Immunofluorescence analysis of formaldehyde-fixed rat thymus slices were stained at 5 ug/mL and detected with a FITC-conjugated secondary antibody.

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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.



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.

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 (αβγc) - 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	IgG1, Kappa

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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

- ### 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

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- ### Western Blot

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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

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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
- Arthritis
- Asthma
- Atrial Fibrillation
- Autoimmune Diseases
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis

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- 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

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- Premature Birth
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Rubella
- Skin Diseases
- Thyroid Diseases
- Vasculitis
- Vitiligo

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