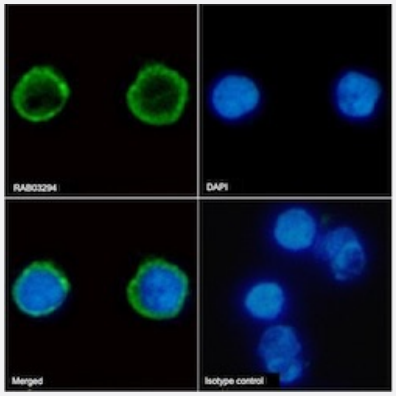
RecomAb™

CD4 recombinant monoclonal antibody, clone EDU-2 (B486)

Catalog # RAB03294 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of human peripheral blood leukocytes with CD4 recombinant monoclonal antibody, clone EDU-2 (B486) (Cat # RAB03294). Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes on Shi-fix™ coverslips stained with the chimeric r version of RAB03294 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03294- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (.1) followed by staining with Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against stimulated human leukocytes.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG kappa
Recommend Usage	Flow Cytometry Immunofluorescence Immunohistochemistry The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry
- Immunofluorescence

  Immunofluorescent staining of human peripheral blood leukocytes with CD4 recombinant monoclonal antibody, clone EDU-2 (B486) (Cat # RAB03294).
  Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes on Shi-fix™ coverslips stained with the chimeric r version of RAB03294 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03294- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (.1) followed by staining with Alexa Fluor® 488 secondary antibody.
- Flow Cytometry

Gene Info — CD4

Entrez GeneID	920
Gene Name	CD4
Gene Alias	CD4mut
Gene Description	CD4 molecule
Omim ID	186940
Gene Ontology	Hyperlink
Other Designations	CD4 antigen|CD4 antigen (p55)|CD4 receptor

Pathway

- Antigen processing and presentation
- Cell adhesion molecules (CAMs)

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- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Arthritis
- Asthma
- Breast cancer
- Breast Neoplasms
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hematologic Diseases
- Hepatitis C
- HIV Infections
- Hodgkin Disease
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoproliferative Disorders
- Multiple Myeloma
- Multiple Sclerosis
- Neoplasm Recurrence
- Neoplasms

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- Occupational Diseases
- Pregnancy Complications
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Viremia
- Vitiligo
- Waldenstrom Macroglobulinemia
- Werner syndrome

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