RecomAb™

CD4 recombinant monoclonal antibody, clone YNB46.1.8 (Campath-9H)

Catalog # RAB00155 Size 200 ug

Specification

Product Description	Rat recombinant monoclonal antibody raised against human CD4.
Antibody Species	Rat
Immunogen	Original antibody is raised against rat T-cell line (NB2) transfected with the human CD4.
Reactivity	Human
Specificity	This antibody recognizes 55kDa human CD4 cell surface antigen, expressed by helper T lymphocytes and by monocytes.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A affinity purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (1 ug/mL) Immunohistochemistry (5 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 long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

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- Flow Cytometry

Gene Info — CD4

Entrez GeneID	920
Protein Accession#	P01730
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)
- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Arthritis
- Asthma
- Breast cancer
- Breast Neoplasms

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

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