

CD4 monoclonal antibody, clone RFT4 (Biotin)

Catalog # MAB6012 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD4.
Immunogen	Native purified CD4 from human thymocytes and E-rosetted lymphocytes.
Host	Mouse
Reactivity	Human
Specificity	Specificity human CD4
Form	Liquid
Conjugation	Biotin
Isotype	IgG1
Recommend Usage	Flow Cytometry (10 ul/10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- 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

Publication Reference

- [The two membrane proximal domains of CD4 interact with the T cell receptor.](#)
Vignali DA, Carson RT, Chang B, Mittler RS, Strominger JL.
The Journal of Experimental Medicine 1996 May; 183(5):2097.
- [The CD4 molecule. Roles in T lymphocytes and in HIV disease. Introduction.](#)
Littman DR.
Curr Top Microbiol Immunol 1996 Jan; 205:v.
- [Molecular recognition of antigen involves lattice formation between CD4, MHC class II and TCR molecules.](#)
Sakihama T, Smolyar A, Reinherz EL.
Immunology Today 1995 Dec; 16(12):581.

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](#)
- [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](#)