

CD4 monoclonal antibody, clone RFT4

Catalog # MAB5617 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD4.
Immunogen	Native purified CD4 human thymocytes and E-rosetted lymphocytes.
Host	Mouse
Reactivity	Human
Specificity	human CD4.
Form	Liquid
Isotype	IgG1
Recommend Usage	Flow Cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

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.
- [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](#)