

## CD4 monoclonal antibody, clone RFT4 (PE)

Catalog # MAB6013

Size 100 Reactions

### Specification

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against native CD4.                                                                              |
| <b>Immunogen</b>           | Native purified CD4 from human thymocytes and E-rosetted lymphocytes.                                                             |
| <b>Host</b>                | Mouse                                                                                                                             |
| <b>Reactivity</b>          | Human                                                                                                                             |
| <b>Specificity</b>         | Specificity human CD4                                                                                                             |
| <b>Form</b>                | Liquid                                                                                                                            |
| <b>Conjugation</b>         | PE                                                                                                                                |
| <b>Isotype</b>             | IgG1                                                                                                                              |
| <b>Recommend Usage</b>     | Flow Cytometry (10 ul/10 <sup>6</sup> cells)<br>The optimal working dilution should be determined by the end user.                |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                                       |
| <b>Storage Instruction</b> | Store in the dark at 4°C. Do not freeze.<br>Avoid prolonged exposure to light.<br>Aliquot to avoid repeated freezing and thawing. |
| <b>Note</b>                | 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      | <a href="#">920</a>                        |
| Gene Name          | CD4                                        |
| Gene Alias         | CD4mut                                     |
| Gene Description   | CD4 molecule                               |
| Omim ID            | <a href="#">186940</a>                     |
| Gene Ontology      | <a href="#">Hyperlink</a>                  |
| 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](#)