# CD4 monoclonal antibody, clone 15-8A2

Catalog # MAB5300 Size

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against native CD4. |
| **Immunogen** | Native purified from WAG/Rij spleen cells. |
| **Host** | Mouse |
| **Reactivity** | Human, Rat |
| **Specificity** | The monoclonal antibody recognizes rat CD4 antigen (MW 52KDa) and is reactive with all common inbred strains. |
| **Form** | Liquid |
| **Isotype** | IgG1 |
| **Recommend Usage** | Flow Cytometry (1:10)<br>Immunohistochemistry (Frozen sections) (1:100)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (50% glycerol, 0.01% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>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)
- Flow Cytometry

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## 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 |

## Gene Info — Cd4

| | |
|---|---|
| **Entrez GeneID** | 12504 |
| **Gene Name** | Cd4 |
| **Gene Alias** | L3T4, Ly-4 |
| **Gene Description** | CD4 antigen |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | OTTMUSP00000027399\|T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Le u-3) (T-cell differentiation antigen L3T4) |

## Pathway

- Antigen processing and presentation
- Cell adhesion molecules (CAMs)
- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

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## 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

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- Urinary Bladder Neoplasms
- Viremia
- Vitiligo
- Waldenstrom Macroglobulinemia
- Werner syndrome

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