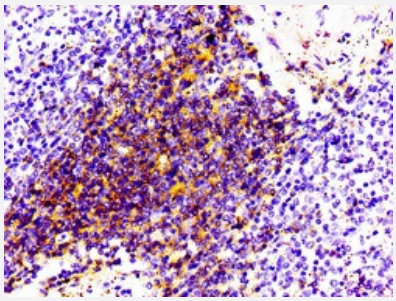
RecomAb™ Sm Size

# CD4 recombinant monoclonal antibody, clone 2B7

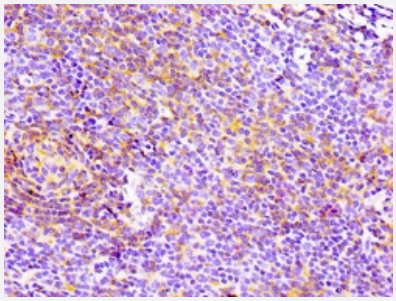
Catalog # RAB07966 Size 50 uL

## Applications



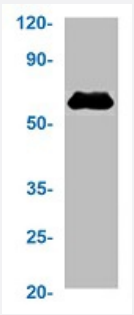
### Immunohistochemistry

Immunohistochemical staining of human spleen tissue with CD4 recombinant monoclonal antibody (diluated at 1:100).



### Immunohistochemistry

Immunohistochemical staining of human lymph node tissue with CD4 recombinant monoclonal antibody (diluated at 1:100).




### Western Blot (Cell lysate)

Western blot analysis of Jurkat whole cell lysate with CD4 recombinant monoclonal antibody.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human CD4. |

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| | |
|---|---|
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human CD4. |
| **Theoretical MW (kDa)** | Calculated MW: 55 kD |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry (1:50-1:500)<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | store at -20 °C or -80 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemical staining of human spleen tissue with CD4 recombinant monoclonal antibody (diluated at 1:100).

- Immunohistochemistry

  Immunohistochemical staining of human lymph node tissue with CD4 recombinant monoclonal antibody (diluated at 1:100).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of Jurkat whole cell lysate with CD4 recombinant monoclonal antibody.

## Gene Info — CD4

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| | |
|---|---|
| **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
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- Head and Neck Neoplasms

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- 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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