

CD4 monoclonal antibody, clone CA-4

Catalog # MAB1434

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against CD4.
Immunogen	CD4-transfected mouse T-cell hybridoma, 3DT, followed by CD4+ human T-cell CEM cells.
Host	Mouse
Theoretical MW (kDa)	51
Reactivity	Human
Specificity	This antibody targets the intracellular domain of CD4.
Form	Lyophilized
Purification	Ascites
Isotype	IgG1
Recommend Usage	Flow Cytometry (1-3 ug/1x10 ⁶ cells) Immunocytochemistry (0.5-1 ug/ml) Immunohistochemistry (Frozen sections) (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from ascites fluid, 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide).
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of PBS buffer and concentration will be 100 ug/mL, store at -20°C. 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)

- Immunocytochemistry
- 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

- [Immunohistochemical Evidence of the Involvement of Natural Killer \(CD161+\) Cells in Spontaneous Regression of Lewis Rat Sarcoma.](#)
Kovalska J, Cervinkova M, Chmelikova E, Planska D, Cizkova J, Horak V.
In Vivo (Athens, Greece) 2019 Jan; 33(1):47.
Application: IF, IHC-Fr, Rat, Rat sarcoma
- [The immunological synapse: a molecular machine controlling T cell activation.](#)
Grakoui A, Bromley SK, Sumen C, Davis MM, Shaw AS, Allen PM, Dustin ML.
Science 1999 Jul; 285(5425):221.
Application: Func, Mouse, Mouse T cells

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](#)