

CD4 monoclonal antibody, clone MEM-16

Catalog # MAB3627 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD4.
Immunogen	Native human peripheral blood leukemia T-cells.
Host	Mouse
Theoretical MW (kDa)	55
Reactivity	Human
Specificity	This antibody recognizes an epitope EF loop of D1 domain of CD4 antigen, a 55KDa transmembrane glycoprotein expressed on a subset of T lymphocytes (helper T-cells) and also on monocytes, tissue macrophages and granulocytes.
Form	Liquid
Concentration	1 mg/mL
Isotype	IgM
Recommend Usage	Flow Cytometry (10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- 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

- [Cell surface receptors, virus entry and tropism of primate lentiviruses.](#)

Clapham PR, McKnight A.

The Journal of General Virology 2002 Aug; 83(Pt 8):1809.

- [p56Lck anchors CD4 to distinct microdomains on microvilli.](#)

Foti M, Phelouzat MA, Holm A, Rasmusson BJ, Carpentier JL.

PNAS 2002 Feb; 99(4):2008.

- [CD4 segregates into specific detergent-resistant T-cell membrane microdomains.](#)

Millan J, Cerny J, Horejsi V, Alonso MA.

Tissue Antigens 1999 Jan; 53(1):33.

Application: IP, WB-Ce, Human, HPB-ALL 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](#)