

CD2 monoclonal antibody, clone MEM-65 (Biotin)

Catalog # MAB4556 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD2.
Immunogen	Native purified CD2 from human peripheral T cells.
Host	Mouse
Theoretical MW (kDa)	50
Reactivity	Human
Specificity	This antibody recognizes an unique epitope of CD2, a 50 KDa glycoprotein present on the human peripheral blood T-lymphocytes and NK cells; also expressed by all thymocytes.
Form	Liquid
Conjugation	Biotin
Isotype	IgG1
Recommend Usage	Flow Cytometry (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. 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

- Flow Cytometry

Gene Info — CD2

Entrez GeneID	914
Gene Name	CD2
Gene Alias	SRBC, T11
Gene Description	CD2 molecule
Omim ID	186990
Gene Ontology	Hyperlink
Gene Summary	sheep red blood cell receptor OTTHUMP00000024366 OTTHUMP00000059318 lymphocyte-function antigen-2
Other Designations	CD2 antigen (p50), sheep red blood cell receptor OTTHUMP00000024366 OTTHUMP00000059318 lymphocyte-function antigen-2

Publication Reference

- [CD2 deficiency partially prevents small bowel inflammation and improves parasite control in murine Toxoplasma gondii infection.](#)
Pawlowski NN, Struck D, Grollich K, Kuhl AA, Zeitz M, Liesenfeld O, Hoffmann JC.
World Journal of Gastroenterology 2007 Aug; 13(31):4207.
- [Mechanisms of Cellular Avidity Regulation in CD2-CD58-Mediated T Cell Adhesion.](#)
Zhu DM, Dustin ML, Cairo CW, Thatte HS, Golan DE.
ACS Chemical Biology 2006 Nov; 1(10):649.
- [Adhesive bond dynamics in contacts between T lymphocytes and glass-supported planar bilayers reconstituted with the immunoglobulin-related adhesion molecule CD58.](#)
Dustin ML.
The Journal of Biological Chemistry 1997 Jun; 272(25):15782.

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

- [Hematopoietic cell lineage](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)