

CD2 monoclonal antibody, clone MEM-65 (PE)

Catalog # MAB4558

Size 100 Reactions

Specification

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|----------------------|--|
| 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 | PE |
| Isotype | IgG1 |
| Recommend Usage | Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (0.2% BSA, 0.09% sodium azide) |
| Storage Instruction | Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. 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

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| 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](#)