

## Datasheet

### CD2 monoclonal antibody, clone MEM-65 (PE)

**Catalog Number:** MAB4558

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native CD2.

**Clone Name:** MEM-65

**Immunogen:** Native purified CD2 from human peripheral T cells.

**Host:** Mouse

**Theoretical MW (kDa):** 50

**Reactivity:** Human

**Applications:** Flow Cyt

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**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, 15 mM 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.

**Entrez GeneID:** 914

**Gene Symbol:** CD2

**Gene Alias:** SRBC, T11

#### References:

1. 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 J Gastroenterol.* 2007 Aug 21;13(31):4207-13.
2. Mechanisms of Cellular Avidity Regulation in CD2-CD58-Mediated T Cell Adhesion. Zhu DM, Dustin ML, Cairo CW, Thatte HS, Golan DE. *ACS Chem Biol.* 2006 Nov 21;1(10):649-58.
3. Adhesive bond dynamics in contacts between T lymphocytes and glass-supported planar bilayers reconstituted with the immunoglobulin-related adhesion molecule CD58. Dustin ML. *J Biol Chem.* 1997 Jun 20;272(25):15782-8.