

## CD2 monoclonal antibody

Catalog: MB65761

Host: Mouse

Reactivity: Human

### BackGround:

CD2 is a transmembrane glycoprotein expressed early in thymocyte development and present on most circulating T cells. CD2 plays a role in T cell adhesion through binding to its ligand CD58 (LFA-3). Stimulation of CD2 also leads to T cell activation and proliferation. T cells from mice deficient in both CD2 and CD28 have severe defects in T cell activation and function, while T cells deficient in either CD2 or CD28 are still capable of mounting a response, suggesting that CD2 and CD28 may have overlapping functions and may be able to compensate for each other. In addition, engagement of CD2 and CD58 was recently demonstrated to be the primary costimulatory signal in T cells that lack CD28. CD2 expression also distinguishes a subset of plasmacytoid dendritic cells found in tumors and tonsils that express lysozyme, higher levels of IL-12 p40, and higher levels of CD80.

### Product:

Mouse IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

### Molecular Weight:

~ 39 kDa

### Swiss-Prot:

P06729

### Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF (1/50 - 1/200)

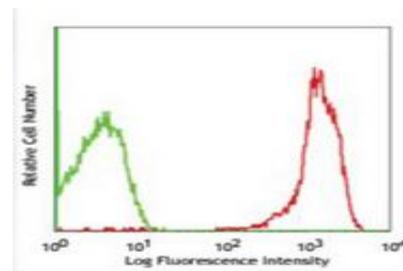
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes human CD2

### DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD2 Antibody, followed by anti-mouse IgG PE.

### Note:

For research use only, not for use in diagnostic procedure.

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