



Product Datasheet
CD2 monoclonal antibody
Catalogue Code: AGIM0023

Antibody Data

Product SKU:	AGIM0023	Clone	MEM-65
Applications:	FC	Conjugate	Unconjugated
Reactivity:	Human		

Immunogen Information:

Host Species: Mouse

Isotype: IgG1

Storage: Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Background:

CD2 belongs to T lymphocyte glycoproteins of immunoglobulin superfamily. Its interaction with CD58 stabilizes adhesion between T cells and antigen presenting or target cells. Relatively low affinity of CD2 to CD58 (as measured in solution) is compensated within the two-dimensional cell-cell interface to provide tight adhesion. Moreover, T cell activation induces increased CD2 expression and its lateral mobility, making easier contact between CD2 and CD58. Subsequently, T cell activation causes fixation of CD58-CD2 at sites of cell-cell contact, thereby strengthening intercellular adhesion. CD2 deficiency reduces intestinal inflammation and helps to control infection.