

**30-2626: Anti-Mouse CD2 Low Endotoxin Antibody (Clone : RM2-5)**

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RM2-5
<b>Application :</b>	Functional Assay, FACS , IP
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	CD2
<b>Gene ID :</b>	12481
<b>Format :</b>	Low Endotoxin
<b>Alternative Name :</b>	LFA-2, Ly37, Ly-37,CD2 molecule
<b>Isotype :</b>	Rat IgG2b lambda
<b>Immunogen Information :</b>	Murine thymocytes

**Description**

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.

Specificity : The rat monoclonal antibody RM2-5 recognizes an extracellular epitope of CD2, a 50 kDa glycoprotein present on the human peripheral blood T lymphocytes and NK cells; also expressed by all thymocytes.

**Product Info**

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography 1 mg/ml
<b>Content :</b>	Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.