

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

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|--------------------------------|---------------------------------|
| <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

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|----------------------------|--|
| <b>Amount :</b>            | 0.1 mg   |
| <b>Purification :</b>      | Purified by protein-A affinity chromatography  |
| <b>Content :</b>           | 1 mg/ml<br>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.   |