

## Monoclonal Antibody to CD2 - PE

<b>Alternate names:</b>	Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor, SRBC, T-cell surface antigen CD2, T-cell surface antigen T11/Leu-5
<b>Catalog No.:</b>	AM08025RP-N
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD2, also known as leukocyte function-associated antigen-2 (LFA-2), is a member of the immunoglobulin superfamily of cell adhesion molecules. (Ref.1) It is expressed on the surface of >95% of thymocytes, and essentially all B cells, T cells and NK cells. (Ref.1-3) In the mouse, CD2 is the receptor for CD48. (Ref.4) CD2 is thought to play a major role in mediating T-cell adhesion, T-cell recognition/activation, T-cell signaling and intrathymic differentiation. (Ref.5-10)
<b>Uniprot ID:</b>	<a href="#">P08920</a>
<b>NCBI:</b>	<a href="#">NP_038514.1</a>
<b>GeneID:</b>	<a href="#">12481</a>
<b>Host / Isotype:</b>	Rat / IgG1
<b>Clone:</b>	12-15
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. <b>Label:</b> PE – R-Phycoerythrin
<b>Applications:</b>	<b>Flow Cytometry</b> < / = 0.5 µg/10e6 cells. (Ref.1-3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is specific to CD2/LFA-2 (Mr 45-58 kDa) <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Altevogt, P., U. Kohl, P. von Hoegen, E. Lang, and V. Schirmacher. 1989. Eur. J. Immunol. 19:341-346. 2. Altevogt, P., M. Michaelis, and R.A. and B. A. Kyewski. 1989. Eur. J. Immunol. 19:1509. 3. Kato, K., M. Koyanagi, H. Okada, T. Takanashi, Y.W. Wong, A.F. Williams, K. Okumura,

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