

Monoclonal Antibody to CD2 - PE

Alternate names:	Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor, SRBC, T-cell surface antigen CD2, T-cell surface antigen T11/Leu-5
Catalog No.:	AM08025RP-S
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	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)
Uniprot ID:	P08920
NCBI:	NP_038514.1
GeneID:	12481
Host / Isotype:	Rat / IgG1
Clone:	12-15
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE – R-Phycoerythrin
Applications:	Flow Cytometry < / = 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.
Specificity:	This antibody is specific to CD2/LFA-2 (Mr 45-58 kDa) Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	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,

- and H. Yagita. 1992. J. Exp. Med. 176:1241-4.
5. Guckel, B., C. Berek, M. Lutz, P. Altevogt, V. Schirmacher, and B.A. Kyewski. 1991. J. Exp. Med. 174:947.
6. Shaw, S., G.E.G. Luce, R. Quinones, R.E. Gress, T.A. Springer, and M.E. Sanders. 1986. Nature (London)323:262-264.
7. Shaw, S., and G.E.G. Luce. 1987. J. Immunol. 139:1037-1045.
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9. Alcover, A., D. Ramarli, N.E. Richardson, H. Chang, and E.L. Reinherz. Immunol. Rev. 95:5-36.
10. Linch, D.C., D.L. Wallace, and K. O'Flynn. 1987. Immunol. Rev. 95:137-159.
11. Selvaraj, O., M.L. Plunkett, M.Dustin, M.E. Sanders, S. Shaw, and T.A. Springer. Nature (London) 326:400-403.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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