

Datasheet: MCA1259PE

Description:	RAT ANTI MOUSE CD62L:RPE
Specificity:	CD62L
Other names:	LECAM-1, L-SELECTIN
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	MEL-14
Isotype:	IgG2a
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/2

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized						
Reconstitution	Reconstitute with 1 ml distilled water						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
Preparation	Purified IgG prepared by affinity chromatography on Protein G.						
Buffer Solution	Phosphate buffered saline						
Preservative	0.09% Sodium Azide						
Stabilisers	1% Bovine Serum Albumin 5% Sucrose						
Immunogen	Mouse B cell lymphoma, 38C-14.						
External Database Links	UniProt: P18337 Related reagents						

Entrez Gene:[20343](#) Sell [Related reagents](#)

Synonyms Lnhr, Ly22, Ly-22

RRID AB_324106

Fusion Partners Spleen cells from immunised Fischer rats were fused with cells of the mouse P3.X63.Ag8.653 myeloma cell line.

Specificity **Rat anti mouse CD62L, clone MEL-14**, recognizes [mouse L-selectin](#). L-selectin is an adhesion molecule expressed on most T and B lymphocytes, neutrophils, monocytes and eosinophils, ([Fink, P. et al., 1985](#)).

Pre-incubation of lymphocytes with MEL-14 completely and specifically blocks binding of lymphocytes to high endothelial venules (HEV) in vitro and the migration of lymphocytes to lymph nodes *in vivo* ([Gallatin, W. et al. 1983](#)). Removal of sodium azide is recommended prior to using this clone in functional assays. Bio-Rad recommend a [Slide-A-Lyzer® Dialysis Cassette](#) for this purpose.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/B](#)).

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- References**
1. Fink, P.J. *et al.* (1985) Homing receptor-bearing thymocytes, an immunocompetent cortical subpopulation. [Nature. 313 \(5999\): 233-5.](#)
 2. Gallatin, W.M. *et al.* (1983) A cell-surface molecule involved in organ-specific homing of lymphocytes. [Nature. 304 \(5921\): 30-4.](#)
 3. Lewinsohn, D.M. *et al.* (1987) Leukocyte-endothelial cell recognition: evidence of a common molecular mechanism shared by neutrophils, lymphocytes, and other leukocytes. [J Immunol. 138 \(12\): 4313-21.](#)
 4. Reichert, R.A. *et al.* (1984) A homing receptor-bearing cortical thymocyte subset: implications for thymus cell migration and the nature of cortisone-resistant thymocytes. [Cell. 38 \(1\): 89-99.](#)
 5. Siegelman, M.H. *et al.* (1990) The mouse lymph node homing receptor is identical with the lymphocyte cell surface marker Ly-22: role of the EGF domain in endothelial binding. [Cell. 61 \(4\): 611-22.](#)
 6. Jalkanen, S. *et al.* (1987) Lymphocyte recognition of high endothelium: antibodies to distinct epitopes of an 85-95-kD glycoprotein antigen differentially inhibit lymphocyte binding to lymph node, mucosal, or synovial endothelial cells. [J Cell Biol. 105 \(2\): 983-90.](#)

Storage Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10075 available at: 10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA1212PE\)](#)

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America Fax: +1 919 878 3751

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