

Datasheet: MCA1259G

Description:	RAT ANTI MOUSE CD62L
Specificity:	CD62L
Other names:	LECAM-1, L-SELECTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MEL-14
Isotype:	IgG2a
Quantity:	0.25 mg

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	▪			1ug/ml
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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
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RRID	AB_323637
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Fusion Partners	Spleen cells from immunised Fischer rats were fused with cells of the mouse P3.X63.Ag8.653 myeloma cell line.
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Specificity	<p>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).</p> <p>Pre-incubation of lymphocytes with MEL-14 completely and specifically blocks binding of lymphocytes to high endothelial venules (HEV) <i>in vitro</i> and the migration of lymphocytes to lymph nodes <i>in vivo</i> (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.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Fink, P.J. <i>et al.</i> (1985) Homing receptor-bearing thymocytes, an immunocompetent cortical subpopulation. Nature. 313 (5999): 233-5.2. Gallatin, W.M. <i>et al.</i> (1983) A cell-surface molecule involved in organ-specific homing of lymphocytes. Nature. 304 (5921): 30-4.3. Lewinsohn, D.M. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (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.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®800

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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