

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.
Preservative Stabilisers	0.09% 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:

Synonyms	Lnhr, Ly22, Ly-22
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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) in vitro 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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Shelf Life	18 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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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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'M287599:160607'

Printed on 01 May 2018

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