Datasheet for 200-508-N87

CD62L Phycoerythrin Antibody

Overview

Description:	Anti-CD62L (RAT) Phycoerythrin Conjugated Monoclonal Antibody - 200-508-N87
Item No.:	200-508-N87
Size:	200 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Rat

Product Details

Background:	CD62L is a 74-95 kD glycoprotein also known as L-selectin, LECAM-1, Ly-22, LAM-1, and MEL-14. It is a member of the selectin family and is expressed on the majority of B and naïve T cells, a subset of memory T cells, monocytes, granulocytes, most thymocytes, and a subset of NK cells. CD62L is important in lymphocyte homing to high endothelial venules (HEV) in peripheral lymph nodes and leukocyte "rolling" on activated endothelium. CD62L also contributes to neutrophil emigration at inflammatory sites. CD62L is rapidly shed from lymphocytes and neutrophils upon cellular activation and the expression levels of CD62L (in conjunction with other markers) have been used to distinguish naïve, effector, and memory T cells. CD62L has been reported to interact with CD34, glyCAM-1, and MAdCAM-1.
Synonyms:	L-selectin CD62 antigen-like family member L Leukocyte adhesion molecule 1 LAM-1 Leukocyte-endothelial cell adhesion molecule 1 LECAM1 Lymph node homing receptor Lymphocyte antigen 22 Ly-22 Lymphocyte surface MEL-14 antigen CD62L Sell Lnhr, Ly-22, Ly22
Host Species:	Rat
Conjugate:	R-Phycoerythrin (RPE)

Clonality:	Monoclonal
Clone ID:	MEL-14
Format:	IgG2a
F/P Ratio:	1-2

Target Details

Gene Name:	Sell
Reactivity:	Mouse
Immunogen Type:	Other
Immunogen:	Anti-CD62L Antibody (Monoclonal) was produced by repeated immunizations with C3H/eb mouse B lymphoma 38C-13.
Purity/Specificity:	Phycoerythrin conjugated CD62L Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD62L. Cross reactivity with CD62L from other sources has not been tested. Anti-CD62L is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	• UniProtKB - P18337 • NCBI - NP_035476.1 • GeneID - 20343

Application Details

Tested Applications:	FC
Application Note:	Anti-CD62L is tested for FLOW and useful for Immunohistochemistry and Immunoprecipitation using mouse spleen cells, or an appropriate cell type (where indicated). Researchers should determine optimal titers for applications that are not stated.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	10 µL/10^6 cells (0.1 µg)
IHC:	User Optimized
IP:	User Optimized

Formulation

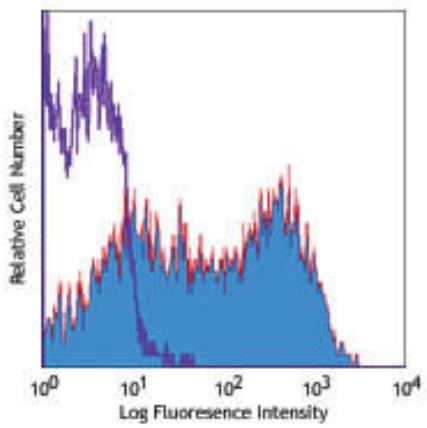
Physical State:	Liquid (sterile filtered)

Concentration:	0.2mg/mL Sufficient to run approximately 100 tests
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Flow Cytometry
Flow Cytometry of anti-CD62L Phycoerythrin Conjugated Monoclonal Antibody. Cells: C57BL/6 mouse splenocytes. Stimulation: none. Antibody: (Unfilled Line) Rat IgG2a isotype control; (Filled Line) Phycoerythrin Anti-CD62L antibody.

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