

## Technical Data Sheet

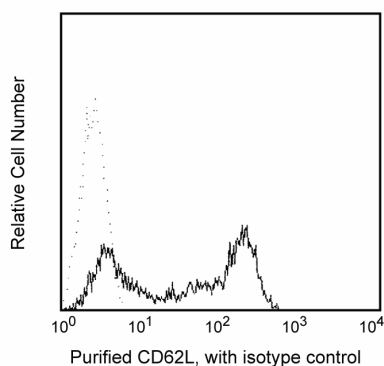
**Purified Mouse Anti-Human CD62L****Product Information**

<b>Material Number:</b>	555542
<b>Alternate Name:</b>	L-selectin
<b>Size:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	DREG-56
<b>Isotype:</b>	Mouse IgG1 $\kappa$
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	V S056
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

**Description**

Reacts with a 76-95 kDa glycoprotein referred to as L-selectin or LECAM-1. CD62L is expressed on neutrophils, monocytes, T- and B-lymphocyte subsets and NK cells. Dreg-56 antibody recognizes the same antigen as LAM-1, and specifically inhibits  $>90\%$  of binding of human lymphocytes to high endothelial venules (HEV) in frozen sections of peripheral, but not mucosal lymphoid tissue. It thus defines L-selectin as a human lymphocyte homing receptor for peripheral lymph node HEV.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



*Profile of peripheral blood lymphocytes analyzed by flow cytometry. Second step staining with Cat. No. 555988.*

**Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4° C.

**Application Notes****Application**

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development

**Suggested Companion Products**

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

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## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

## References

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Clone-specific)  
Kishimoto TK, Jutila MA, Butcher EC. Identification of a human peripheral lymph node homing receptor: a rapidly down-regulated adhesion molecule. *Proc Natl Acad Sci U S A*. 1990; 87(6):2244-2248.(Biology)  
Kishimoto TK, Warnock RA, Jutila MA, et al. Antibodies against human neutrophil LECAM-1 (LAM-1/Leu-8/DREG-56 antigen) and endothelial cell ELAM-1 inhibit a common CD18-independent adhesion pathway in vitro. *Blood*. 1991; 78(3):805-811.(Biology)