

TECHNICAL DATA SHEET

CyFlow™ CD62L Low Endotoxin Anti-Hu; Clone DREG56

REF BV583758

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD62L
Alternative Names	L-selectin
Clone	DREG56
Clonality	monoclonal
Format	Low Endotoxin
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	PMA-activated human peripheral blood leukocytes

Specificity

The mouse monoclonal antibody DREG56 recognizes CD62L antigen, a 65-76 kDa cell surface protein, expressed by neutrophils, monocytes, and subsets of T, B, and NK cells, that interacts with specific carbohydrates exposed on activated endothelial cells.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (frozen sections)
- Functional assays

Storage Buffer

The reagent is provided in azide-free phosphate buffered saline (PBS) solution, pH ≈7.4; 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD62L (L-selectin) is an adhesion glycoprotein that is constitutively expressed on the cell surface of leukocytes and mediates their homing to inflammatory sites and peripheral lymph nodes by enabling rolling along the venular wall. CD62L is also involved in activation-induced neutrophil aggregation. Activation-dependent CD62L shedding, however, counteracts neutrophil rolling. CD62L has also signaling roles including enhance of chemokine receptor expression. Similarly to CD62P, the major ligand of CD62L is PSGL-1 (P-selectin glycoprotein ligand-1). The level of CD62L expression can be used to help distinguish naive T cells from effector/memory T cells.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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