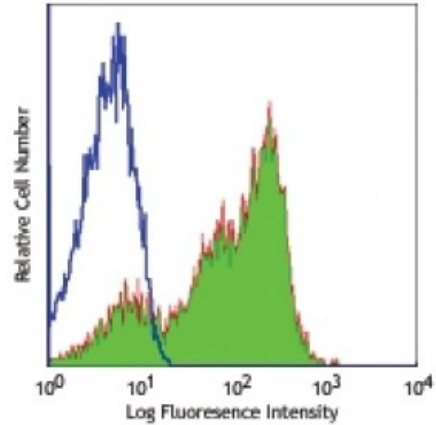


**Alexa Fluor® 488 anti-human CD62L**

**Catalog # / Size:** 2124080 / 100 tests  
**Clone:** DREG-56  
**Isotype:** Mouse IgG1, κ  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).  
**Workshop Number:** V S056  
**Concentration:** Lot-specific



Human peripheral blood lymphocytes stained with DREG-56 Alexa Fluor® 488

**Applications:**

**Applications:** Flow Cytometry  
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

**Application Notes:** Additional reported applications (for the relevant formats) include: Western blotting<sup>2,3,9</sup> and *in vitro* blocking of lymphocytes binding to high endothelial venules (HEV)<sup>2</sup>. The LEAF™ purified antibody (Endotoxin <0.1 EU/μg, Azide-Free, 0.2 μm filtered) is recommended for functional assays (Cat. No. 304812).

**Application References:**

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- Kishimoto TK, *et al.* 1990. *Proc. Natl. Acad. Sci. USA* 87:2244. (WB, Block)
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- Tamassia N, *et al.* 2008. *J. Immunol.* 181:6563. (FC) [PubMed](#)
- Kmieciak M, *et al.* 2009. *J. Transl. Med.* 7:89. (FC) [PubMed](#)
- Thakral D, *et al.* 2008. *J. Immunol.* 180:7431. (FC) [PubMed](#)
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- Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
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- Burges M, *et al.* 2013. *Clin Cancer Res.* 19:5675. [PubMed](#)
- Cash JL, *et al.* 2013. *EMBO Rep.* 14:999. (FC) [PubMed](#)

**Description:** CD62L is a 74-95 kD single chain type I glycoprotein referred to as L-selectin or LECAM-1. It is expressed on most peripheral blood B cells, subsets of T and NK cells, monocytes, granulocytes, and certain hematopoietic malignant cells. CD62L binds to carbohydrates present on certain glycoforms of CD34, glycamin-1, and MAdCAM-1 and with a low affinity to anionic oligosaccharide sequences related to

sialylated Lewis X (sLex, CD15s) through its C-type lectin domain. CD62L is important for the homing of naïve lymphocytes to high endothelial venules in peripheral lymph nodes and Peyer's patches. It also plays a role in leukocyte rolling on activated endothelial cells.

**Antigen**  
**References:**

1. Kishimoto T, *et al.* 1990. *P. Natl. Acad. Sci. USA* 87:2244.
2. Kishimoto T, *et al.* 1991. *Blood* 78:805.