

APC/Cy7 anti-human CD62L

Catalog # / Size: 2124065 / 25 tests
2124070 / 100 tests

Clone: DREG-56

Isotype: Mouse IgG1, κ

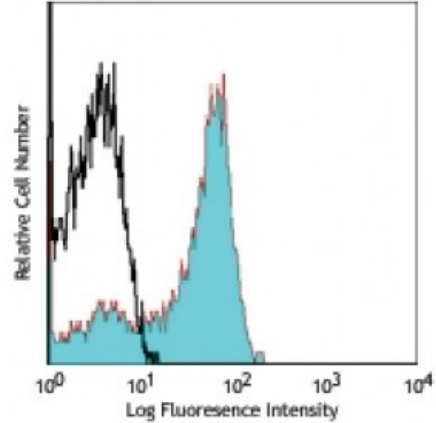
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.

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 APC/Cy7

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting^{2,3,9} and *in vitro* blocking of lymphocytes binding to high endothelial venules (HEV)². 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:

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- Kishimoto TK, *et al.* 1990. *Proc. Natl. Acad. Sci. USA* 87:2244. (WB, Block)
- Jutila M, *et al.* 2002. *J. Immunol.* 169:1768. (WB)
- 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](#)
- Charles N, *et al.* 2010. *Nat. Med.* 16:701. (FC) [PubMed](#)
- Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
- Koenig JM, *et al.* 1996. *Pediatr. Res.* 39:616. (WB)
- Shi C, *et al.* 2011. *J. Immunol.* 187:5293. (FC) [PubMed](#)
- 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, glycam-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.