

Product Data Sheet

Purified anti-human CD62L

Catalog # / Size: 304802 / 100 µg

Clone: DREG-56

Isotype: Mouse IgG1, κ

Workshop Number: V S056

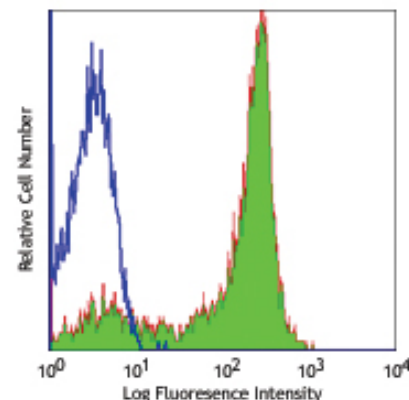
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Cattle (Bovine, Cow)

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified DREG-56, followed by anti-mouse IgGs FITC

Applications:

Applications: FC - *Quality tested*
 WB, IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 10⁶ cells in 100 µl volume or 100 µl 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: immunohistochemical staining of acetone-fixed frozen tissue sections, Western blotting^{2,3}, 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 T, *et al.* 1990. *P. 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. 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 naive 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:

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

Related Products:

Product Purified anti-human CD62P (P-Selectin)

Purified Mouse IgG1, κ Isotype Ctrl

AKP Goat anti-mouse IgG (minimal x-reactivity)

APC Goat anti-mouse IgG (minimal x-reactivity)

FITC Goat anti-mouse IgG (minimal x-reactivity)

HRP Goat anti-mouse IgG (minimal x-reactivity)

PE Goat anti-mouse IgG (minimal x-reactivity)

Cell Staining Buffer

RBC Lysis Buffer (10X)

Clone

AK4

MOPC-21

Poly4053

Poly4053

Poly4053

Poly4053

Poly4053

Application

FC, IHC

FC, ICFC, ICC, IF, IHC, IP, WB

ELISA, WB, IHC

FC

FC

ELISA, IHC, WB

FC

FC, ICC, ICFC

FC, ICFC



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