

# Anti-human CD62L SELL Monoclonal Antibody Unconjugated, Flow Validated

Catalog Number: FC00652

## Introduction

The antibody reacts with a 76-95 kDa glycoprotein referred to as L-selectin (CD62L, LECAM, LAM-1, Leu8). As a human lymphocyte homing receptor for peripheral lymph node high endothelial venules (HEV), CD62L is expressed on neutrophils, monocytes, T- and B-lymphocyte subsets and NK cells.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development by CapricoBio or are reported in the literature.

## Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended use of this antibody is 0.5ug per 1x10<sup>6</sup> cells in 100ul of staining volume followed by a secondary florescent conjugated anti-mouse antibody. However, it is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

## About SELL

L-selectin, also known as CD62L, is a cell adhesion molecule found on leukocytes. It belongs to the selectin family of proteins, which recognize sialylated carbohydrate groups. It is cleaved by ADAM17. SELL (L-selectin) is a cell surface component that is a member of a family of adhesion/homing receptors which play important roles in leukocyte-endothelial cell interactions. The molecule is composed of multiple domains: one homologous to lectins, one to epidermal growth factor, and two to the consensus repeat units found in C3/C4 binding proteins. 1L-selectin acts as a "homing receptor" for leukocytes to enter secondary lymphoid tissues via high endothelial venules. Ligands present on endothelial cells will bind to leukocyte expressing L-selectin, slowing leukocyte trafficking through the blood, and facilitating entry into a secondary lymphoid organ at that point.

## Overview

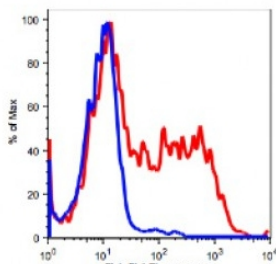
|                      |                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-human CD62L SELL Monoclonal Antibody Unconjugated, Flow Validated                                                                                                                  |
| Reactive Species     | Human, Baboon                                                                                                                                                                           |
| Description          | Boster Bio Anti-human CD62L SELL Monoclonal Antibody Unconjugated, Flow Validated (Catalog# FC00652). Tested in Flow Cytometry application(s). This antibody reacts with Human, Baboon. |
| Application          | Flow Cytometry                                                                                                                                                                          |
| Clonality            | Monoclonal Clone: DREG56                                                                                                                                                                |
| Formulation          | PBS pH 7.2, 0.1% (w/v) BSA, 0.09% (w/v) sodium azide                                                                                                                                    |
| Storage Instructions | Store at 2-8°C. Avoid repeated freeze-thaw cycles.                                                                                                                                      |

|            |        |
|------------|--------|
| Host       | Mouse  |
| Uniprot ID | P14151 |

## Technical Details

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                  | PMA-activated human peripheral blood leukocytes                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Predicted Reactive Species | Bovine, Chicken, Xenopus Laevis, Xenopus Tropicalis, Zebrafish                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                    | IgG1,k                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form                       | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concentration              | 0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.                                                                                                                                                                                                                                                                                                                                                                        |
| Purification               | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Suggested Dilutions        | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>User needs to optimize the dilution ratio for this antibody.</p> |

## Anti-human CD62L SELL Monoclonal Antibody Unconjugated, Flow Validated (FC00652) Images



Lymphocytes gated PBMCs stained with purified anti-human CD62L (clone DREG56) followed by Goat anti-mouse IgG (H+L) Alexa Fluor 488 (red histogram). PBMCs stained with only Goat anti-mouse IgG (H+L) Alexa Fluor 488 (Blue histogram).

### 1 Publications Citing This Product

1. PubMed ID: 25822027, HIV-1 Nef and Vpu Interfere with L-Selectin (CD62L) Cell Surface Expression To Inhibit Adhesion and Signaling in Infected CD4+ T Lymphocytes

Visit [bosterbio.com/anti-human-cd62l-unconjugated-flow-validated-fc00652-boster.html](https://bosterbio.com/anti-human-cd62l-unconjugated-flow-validated-fc00652-boster.html) to see all 1 publications.

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