

## Anti-Human CD62L (L-Selectin) PE

Catalogue Number : 04731-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** DREG-56

**Format/Conjugate:** PE

**Concentration:** 5 uL (0.125 ug)/test

**Reactivity:** Human

**Laser:** Blue (488nm), Yellow/Green (532-561nm)

**Peak Emission:** 578nm

**Peak Excitation:** 496nm

**Filter:** 585/40

**Brightness (1=dim,5=brightest):** 5

**Isotype:** Mouse IgG1, kappa

**Formulation:** Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

**Storage:** Product should be kept at 2-8°C and protected from prolonged exposure to light.

**Applications:** FC

### Description

The DREG-56 monoclonal antibody specifically reacts with human CD62L, also known as L-selectin and LECAM-1. It mediates the migration of lymphocytes to the site of inflammation and their return to the peripheral lymphoid tissues and to the HEV (high endothelial venules). CD62L is expressed on monocytes, NK cells, neutrophils, granulocytes, and subsets of T and B cells. It is reported that the DREG-56 antibody inhibits the binding of lymphocytes to HEV tissue in frozen peripheral tissue.

### Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

### References

- Schlossman, S. F. (1995). Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.
- Kishimoto, T. K., Jutila, M. A., ; Butcher, E. C. (1990). Identification of a human peripheral lymph node homing receptor: a rapidly down-regulated adhesion molecule.; Proceedings of the National Academy of Sciences.; 87(6), 2244-2248.
- Kishimoto, T. K., Warnock, R. A., Jutila, M. A., Butcher, E. C., Lane, C., Anderson, D. C., ; Smith, C. W. (1991). Antibodies against human neutrophil LECAM-1 (LAM-1/Leu-8/DREG-56 antigen) and endothelial cell ELAM-1 inhibit a common CD18-independent adhesion pathway in vitro.; Blood.; 78(3), 805-811.