

Anti-Human CD62L (L-Selectin) SAFIRE Purified

Catalog Number :04731-25

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

Product Information

Clone: DREG-56

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

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. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

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.