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Technical Data Sheet

Anti-Human/Mouse CD62P (P-Selectin) SAFIRE Purified

Catalog Number :04722-25

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

Product Information

Clone: Psel.KO2.12

Format/Conjugate: SAFIRE Purified

Concentration: 1.0 mg/mL

Reactivity: Human, Mouse

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

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

Isotype: Mouse IgG1

Formulation: Phosphate-buffered aqueous solution, ph7.2.

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

Applications: FC, FA

Description

The Psel.KO2.12 monoclonal antibody specifically reacts with mouse CD62P (P-Selectin), a 140 kDA type I transmembrane glycoprotein also known as granule membrane protein 140 (GMP-140). Upon activation it is quickly transported to the plasma membrane from the alpha-granules of platelets and WEibel-Palade bodies of endothelial cells. It is essential to the functions of cell adhesion during inflammatory reactions and in the interaction of platelets with monocytes and neutrophils. The Psel.KO2.12 antibody binds to an epitope common to several species including mouse, human, and rat.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography.

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

1.Massaguer, A., Engel, P., Pérez-del-Pulgar, S., Bosch, J., Pizcueta, P. (2000). Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P).;Tissue antigens,;56(2), 117-128.

2. Kansas, G. S. (1996). Selectins and their ligands: current concepts and controversies.;Blood,;88(9), 3259-3287.

3. Bullard, D. C., Kunkel, E. J., Kubo, H., Hicks, M. J., Lorenzo, I., Doyle, N. A., ... Beaudet, A. L. (1996). Infectious susceptibility and severe deficiency of leukocyte rolling and recruitment in E-selectin and P-selectin double mutant mice.;The Journal of experimental medicine,;183(5), 2329-2336.

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