

Anti-Human CD62P (P-Selectin) PE

Catalog Number :04711-60

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

Product Information

Clone: AK-4

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 AK-4 monoclonal antibody specifically reacts with human CD62P (P-Selectin), a 140 kDA type I transmembrane glycoprotein also known as platelet activation-dependent granule membrane protein (PADGEM). 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.

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

1. Leucocyte Typing VI: White Cell Differentiation Antigens: Proceedings of the Sixth International Workshop and Conference Held in Kobe, Japan, 10-14 November 1996. Garland Pub., 1998.
2. 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.
3. Johnson-Tidey, R. R., McGregor, J. L., Taylor, P. R., Poston, R. N. (1994). Increase in the adhesion molecule P-selectin in endothelium overlying atherosclerotic plaques. Coexpression with intercellular adhesion molecule-1. The American journal of pathology,;144(5), 952.