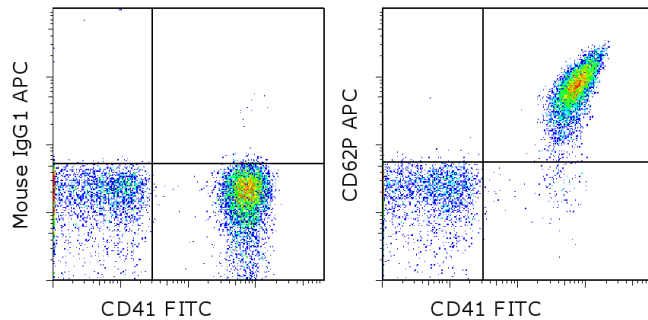


## Anti-Human/Mouse CD62P (P-Selectin) APC

**Catalog Number:** 17-0626

**Also known as:** LECAM-3

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



Staining of thrombin-activated human platelets with Anti-Human CD41a FITC (cat. 11-0419) and 0.125 ug of Mouse IgG1 K Isotype Control APC (cat. 17-4714) (left) or 0.125 ug of Anti-Human/Mouse CD62P (P-selectin) APC (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human/Mouse CD62P (P-Selectin) APC

**REF** **Catalog Number:** 17-0626

**Clone:** Psel.KO2.3

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The Psel.KO2.3 monoclonal antibody reacts with mouse CD62P (also known as P-selectin and GMP-140), a 140-kDa cell adhesion molecule that can be induced on endothelial cells and platelets. During inflammation, this selectin mediates adhesion of monocytes and neutrophils to activated platelets, as well as leukocyte rolling on endothelial cells. The major ligand for CD62P on neutrophils is P-selectin glycoprotein ligand-1 (PSGL-1). This monoclonal antibody recognizes an epitope that is conserved across several species (e.g. mouse, human, and rat) and has not been reported to block cell adhesion.

### Applications Reported

This Psel.KO2.3 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This Psel.KO2.3 antibody has been tested by flow cytometric analysis on thrombin-activated human platelets. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Matsumoto, M., et al. CD43 plays both antiadhesive and proadhesive roles in neutrophil rolling in a context-dependent manner. *J. Immunol.* 2008, 181: 3628-35.

Massaguer, A., et al. Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P) Tissue antigens 2000, 56: 117-28. (Psel.KO2.3, FC, Pubmed)

Bullard, D.C., et al. Infectious susceptibility and severe deficiency of leukocyte rolling and recruitment in E-selectin and P-selectin double mutant mice. *J. Exp. Med.* 1996, 183: 2329-36.

Kansas, G.S. Selectins and their ligands: current concepts and controversies. *Blood* 1996, 88:3259-87.

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### **Related Products**

11-0419 Anti-Human CD41a FITC (HIP8)

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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