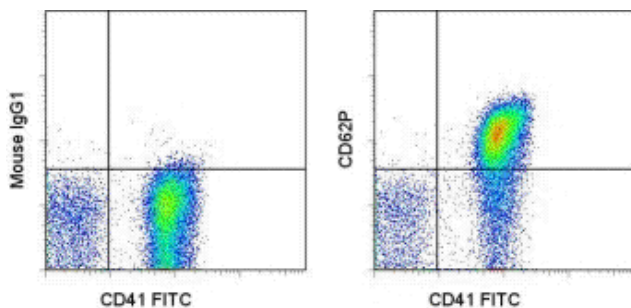


Anti-Mouse CD62P (P-Selectin) Functional Grade Purified

Catalog Number: 16-0622

Also Known As: LECAM-3

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



Staining of thrombin-activated mouse platelets with 0.125 ug Mouse IgG1, K Isotype Control Functional Grade Purified (cat. 16-4714) (left) or Anti-Mouse CD62P (P-Selectin) Functional Grade Purified followed by Anti-Mouse IgG1 PE (right) and Anti-Mouse CD41 FITC (cat. 11-0411).

Product Information

Contents: Anti-Mouse CD62P (P-Selectin) Functional Grade Purified

REF **Catalog Number:** 16-0622

Clone: Psel.KO2.12


Concentration: 1 mg/mL

Host/Isotype: Mouse IgG1


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

Description

CD62P (also known as P-selectin and GMP-140) is 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).

Applications Reported

This Psel.KO2.12 antibody has been reported for use in flow cytometric analysis and for blocking CD62P-mediated adhesion.

Applications Tested

This Psel.KO2.12 antibody has been tested by flow cytometric analysis on thrombin-activated mouse 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 10⁵ to 10⁸ 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.

Related Products

11-0411 Anti-Mouse CD41 FITC (eBioMWRReg30 (MWRReg30))

16-0628 Anti-Human CD62P (P-Selectin) Functional Grade Purified (AK-4)

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