

CD62P (P-Selectin) Monoclonal Antibody (Psel.KO2.3), Super Bright™ 600, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Psel.KO2.3
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802430

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	7 Publications

Product Specific Information

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 of thrombin-activated platelets. This may be used at less than or equal to 0.5 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.

Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

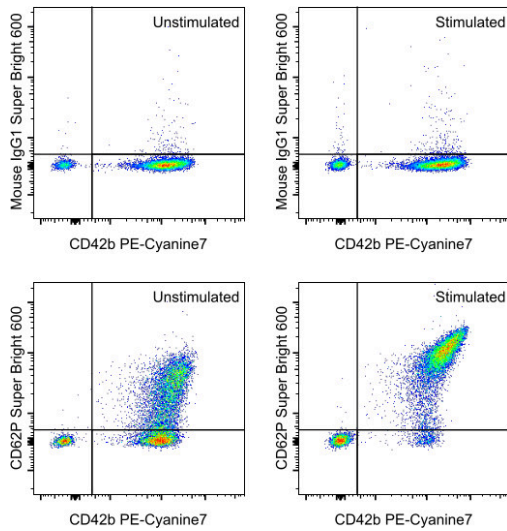
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 600 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD62P (P-Selectin) Monoclonal Antibody (Psel.KO2.3), Super Bright™ 600, eBioscience™



CD62P (P-Selectin) Antibody (63-0626-80) in Flow

Human platelets were unstimulated (left) or activated by thrombin (right) and stained with CD42b Monoclonal Antibody, PE (Product # 12-0429-42) and Mouse IgG1 kappa Isotype Control, Super Bright 600 (Product # 63-4714-82) (top) or CD62P Monoclonal Antibody, Super Bright 600 (bottom). Total cells were used for analysis.

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8 References

Immunocytochemistry (1)

Molecular therapy. Nucleic acids

Targeting transgenic proteins to alpha granules for platelet-directed gene therapy.

"Published figure using CD62P (P-Selectin) monoclonal antibody (Product # 63-0626-82) in Immunocytochemistry"

Authors: Woods VMA, Latorre-Rey LJ, Schenk F, Rommel MGE, Moritz T, Modlich U

Year
2022

Flow Cytometry (7)

International journal of molecular sciences

Myristica fragrans Extract Inhibits Platelet Desialylation and Activation to Ameliorate Sepsis-Associated Thrombocytopenia in a Murine CLP-Induced Sepsis Model.

"Published figure using CD62P (P-Selectin) monoclonal antibody (Product # 63-0626-82) in Flow Cytometry"

Authors: Jeong SH, Park JY, Ryu YB, Kim WS, Lee IC, Kim JH, Kim D, Ha JH, Lee BW, Nam J, Cho KO, Kwon HJ

Year
2023

International journal of molecular sciences

Small-Molecule Cyclophilin Inhibitors Potently Reduce Platelet Procoagulant Activity.

"Published figure using CD62P (P-Selectin) monoclonal antibody (Product # 63-0626-82) in Flow Cytometry"

Authors: Van Bael J, Vandenbulcke A, Ahmed-Belkacem A, Guichou JF, Pawlotsky JM, Samyn J, Barendrecht AD, Maas C, De Meyer SF, Vanhoorelbeke K, Tersteeg C

Year
2023

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