

P-Selectin Monoclonal Antibody (Psel.KO2.3), PE

Catalog NumberA16339

Product data sheet

Details		Species Reactivity	
Size	25 µg	Species reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1, kappa	<div>Tested ApplicationsDilution * Flow Cytometry (Flow)Assay-dependent</div>	
Class	Monoclonal		
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Clone	Psel.KO2.3		
Immunogen	mouse CD62P		
Conjugate	PE		
Form	Liquid		
Concentration	0.2 mg/mL		
Storage Conditions	4° C		

Background/Target Information

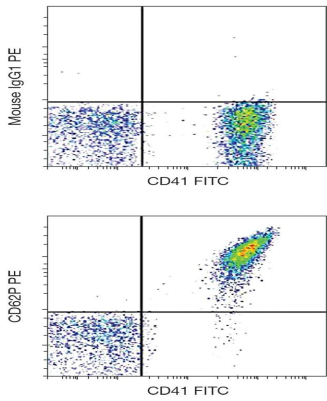
P-selectin (Selectin P, GMP-140, LECAM3, CD62 antigen-like family member) is a 140 kDa type 1 transmembrane glycoprotein, and is one of the most commonly studied proteins that regulate cell rolling. P-selectin is stored in the Weibel-Palade bodies of endothelial cells, as well as in a-granules of platelets. From there, it can be rapidly brought to the cell surface after exposure to thrombin, histamine, complement 5a, Ca21 ionophores, or adenosine diphosphate. P-selectin protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. P-selectin plays an important role in adhesive processes between leucocytes and endothelial cells, and is a calcium dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens found on neutrophils and monocytes. P-selectin is constitutively expressed in inflammation and contributes to atherogenesis, thrombosis and tissue destruction. Clinically, P-selectin is used to distinguish heparin induced thrombocytopenia with and without thrombosis.

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P-Selectin Antibody (A16339) in Flow

Staining of Thrombin-activated human platelets with Anti-Human CD41a FITC and 0.125 ug of Mouse IgG1 K Isotype Control PE (top) or 0.125 ug of Anti-Human/Mouse CD62P (P-Selectin) PE (bottom, A16339). Total viable cells were used for analysis.

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