

P-Selectin Monoclonal Antibody (HI62P)

Catalog NumberMA1-34004

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	Assay-dependent
Type	Antibody	Western Blot (WB)	Assay-dependent
Clone	HI62P	* 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.	
Immunogen	Human platelets.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein A	Dilution *	
Storage buffer	PBS		
Contains	15mM sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

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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