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30-1311: Anti-CD62P / P-selectin Monoclonal Antibody (Clone:HI62P)

Clonality :	Monoclonal
Clone Name :	HI62P
Application :	FACS
Reactivity :	Human
Gene :	SELP
Gene ID :	6403
Uniprot ID :	P16109
Format :	Purified
Alternative Name :	SELP,GMRP,GRMP
Isotype :	Mouse IgG1
Immunogen Information :	Human platelets

Description

CD62P (P-selectin) is an adhesion glycoprotein that is expressed on platelets and endothelial cells upon their activation. Interaction between CD62P and its mucin-like ligand PSGL-1 (P-selectin glycoprotein ligand-1) expressed on the microvilli of most leukocytes supports leukocyte rolling along postkapillary venules at the earliest time of inflammation. Both CD62P and PSGL-1 are extended glycoproteins that form homodimers. CD62P dimerization is probably mediated through interactions of the transmembrane domains and stabilizes leukocyte tethering and rolling, probably by increasing rebinding within a bond cluster.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

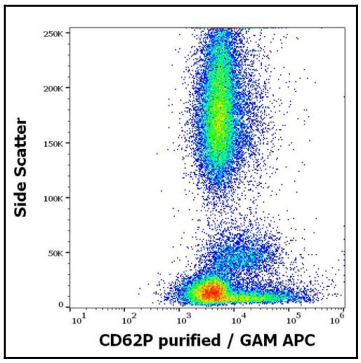

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD62P (HI62P) purified antibody (concentration in sample 0.56 µg/ml).

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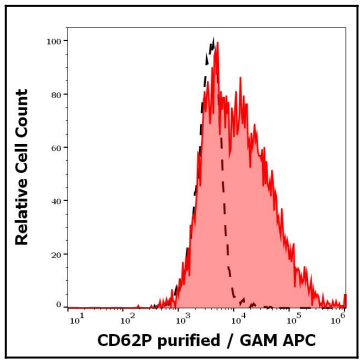

Figure 2: Separation of human lymphocytes (red-filled) from blood debris (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD62P (HI62P) purified antibody (concentration in sample 0.56 µg/ml).

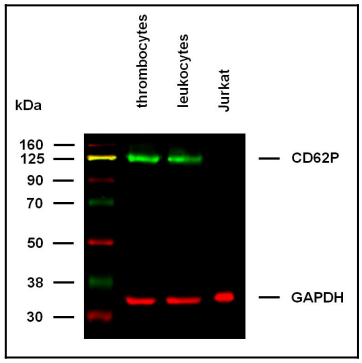

Figure 3: Anti-Hu CD62P Purified (clone HI62P) works in WB application under reducing conditions. Western blotting analysis was performed on RIPA buffer extracts of thrombocytes, leukocytes, and Jurkat cells mixed with hot reducing SDS-loading buffer. Samples were resolved using 10% SDS-PAGE gel. Nitrocellulose membrane blot was probed with mouse IgG1 monoclonal antibody HI62P (2 µg/ml), followed by IRDye 800CW Goat-anti-Mouse IgG (green). Mouse anti-GAPDH monoclonal antibody FF26A conjugated with DyLight 680 (0.1 µg/ml), was used as the loading control (red). Multiplex fluorescent Western blot detection was performed. CD62P was detected at ~ 125 kDa in thrombocytes and leukocytes.