Datasheet for ABIN2749032

anti-P-Selectin antibody

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Overview

Quantity:	0.1 mg
Target:	P-Selectin (SELP)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This P-Selectin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC), Functional Studies (Func)

Product Details

Immunogen:	Human platelets
Clone:	AK4
Isotype:	IgG1 kappa
Specificity:	The antibody AK4 recognizes an extracellular epitope of CD62P (P-selectin), a 140 kD single chain type I transmembrane glycoprotein present in secretory alpha-granules in platelets, in Weibel-Palade bodies in endothelial cells and in megakaryocytes, it is relocated to the plasma membrane upon activation.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

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Product Details

Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Target Details

Target:	P-Selectin (SELP)
Alternative Name:	CD62P (SELP Products)
Background:	Selectin P,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.,P-selectin, GMP140, SELP, PADGEM, GRMP, LECAM3, PSEL
Gene ID:	6403
UniProt:	P16109

Application Details

Application Notes:	Functional application: Blocking. Flow cytometry: Recommended dilution: 1.5 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

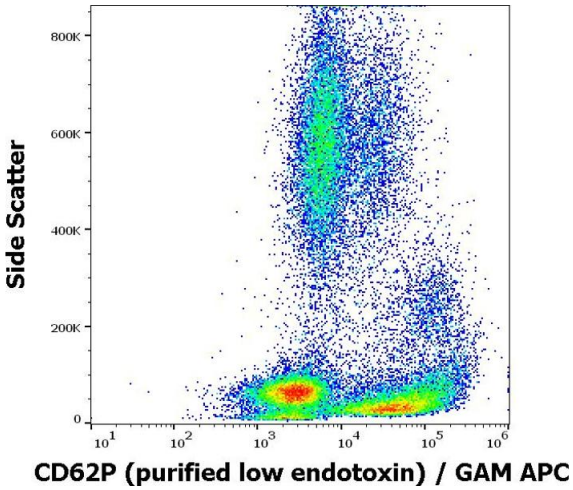
Product cited in:	Kowalska, Ratajczak, Hoxie, Brass, Gewirtz, Poncz, Ratajczak: "Megakaryocyte precursors, megakaryocytes and platelets express the HIV co-receptor CXCR4 on their surface:

Publications

determination of response to stromal-derived factor-1 by megakaryocytes and platelets." in: **British journal of haematology**, Vol. 104, Issue 2, pp. 220-9, (1999) (PubMed).

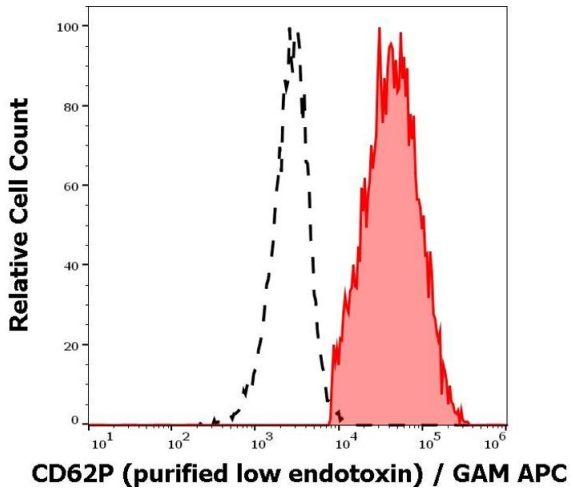
Dunlop, Skinner, Bendall, Favaloro, Castaldi, Gorman, Gamble, Vadas, Berndt: "Characterization of GMP-140 (P-selectin) as a circulating plasma protein." in: **The Journal of experimental medicine**, Vol. 175, Issue 4, pp. 1147-50, (1992) (PubMed).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD62P (AK4) purified antibody (low endotoxin, concentration in sample 1 µg/mL) GAM APC.



Flow Cytometry

Image 2. Separation of human thrombocytes (red-filled) from CD62P negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD62P (AK4) purified antibody (low endotoxin, concentration in sample 1 µg/mL) GAM APC.

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