

## ARG65406 anti-CD62P / P-Selectin antibody [AK4] (low endotoxin)

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Azide free and low endotoxin Mouse Monoclonal antibody [AK4] recognizes CD62P / P-Selectin
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS, FuncSt, ICC/IF, IP, WB
Specificity	The clone 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. Workshop: HLDA VI: WS Code P-44.
Host	Mouse
Clonality	Monoclonal
Clone	AK4
Isotype	IgG1
Target Name	CD62P / P-Selectin
Species	Human
Immunogen	Human platelets
Conjugation	Un-conjugated
Alternate Names	PADGEM; CD62; Platelet activation dependent granule-external membrane protein; CD62 antigen-like family member P; GMP140; PSEL; Granule membrane protein 140; CD62P; CD antigen CD62P; Leukocyte-endothelial cell adhesion molecule 3; GRMP; GMP-140; P-selectin; LECAM3

### Application Instructions

Application table	Application	Dilution
	FACS	1.5 µg/ml
	FuncSt	Assay-dependent
	ICC/IF	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	Functional studies: Blocking. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

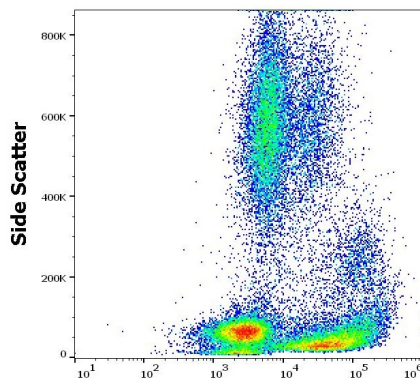
Form	Liquid
Purification	Purification with Protein A.

Purification Note	0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

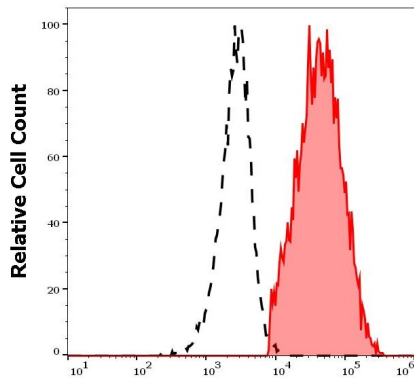
Database links	<a href="#">GeneID: 6403 Human</a> <a href="#">Swiss-port # P16109 Human</a>
Gene Symbol	SELP
Gene Full Name	selectin P (granule membrane protein 140kDa, antigen CD62)
Background	CD62P (P-selectin) is an adhesion glycoprotein that is expressed on platelets and endothelial cells upon their 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 postcapillary 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.
Function	Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody
Calculated Mw	91 kDa

## Images



ARG65406 anti-CD62P / P-Selectin antibody [AK4] (low endotoxin)  
FACS image

Flow Cytometry: Human peripheral blood stained with ARG65406 anti-CD62P / P-Selectin antibody [AK4] (low endotoxin) at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG65406 anti-CD62P / P-Selectin antibody [AK4] (low endotoxin)  
FACS image

Flow Cytometry: Separation of human thrombocytes (red-filled) from CD62P negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG65406 anti-CD62P / P-Selectin antibody [AK4] (low endotoxin) at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.