ARG23101
anti-CD62P / P-Selectin antibody [AK-6] (FITC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [AK-6] recognizes CD62P / P-Selectin Mouse anti Human CD62P antibody, clone AK-6 recognizes the CD62P glycoprotein, a 140kD molecule expressed by activated platelets and endothelial cells.CD62P is also known as P-selectin, PADGEM or GMP140 and plays an important role in adhesive processes between leucocytes and endothelial cells. CD62P is a component of the alpha granule and is translocated to the plasma membrane upon activation.
Tested Reactivity	Hu, R. Mk
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	AK-6
Isotype	IgG1
Target Name	CD62P / P-Selectin
Species	Human
Immunogen	Human platelet membrane glycoproteins.
Conjugation	FITC
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	1:10 - 1:100

Application Note: FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

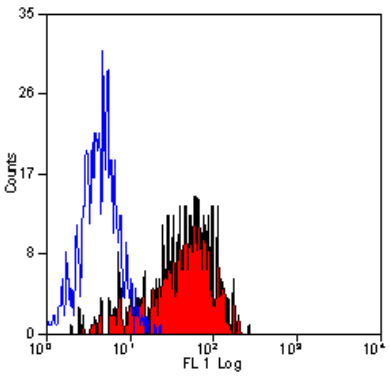
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.09% Sodium azide and 1% BSA
Preservative	0.09% Sodium azide
Stabilizer	1% BSA
Concentration	0.1 mg/ml

Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

Gene Symbol	SELP
Gene Full Name	selectin P (granule membrane protein 140kDa, antigen CD62)
Background	This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented. [provided by RefSeq, Jul 2008]
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]
Calculated Mw	91 kDa

Images



ARG23101 anti-CD62P / P-Selectin antibody [AK-6] (FITC) FACS image

Flow Cytometry: Thrombin activated human peripheral blood platelets stained with ARG23101 anti-CD62P / P-Selectin antibody [AK-6] (FITC).