

Datasheet for ABIN810080

## anti-P-Selectin antibody (FITC)



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### Overview

Quantity:	100 tests
Target:	P-Selectin (SELP)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This P-Selectin antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

### 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 antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	P-Selectin (SELP)
Alternative Name:	CD62P ( <a href="#">SELP Products</a> )
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:	<a href="#">P16109</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

## Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b> Avoid prolonged exposure to light.
Storage:	4 °C

## Handling

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

## Publications

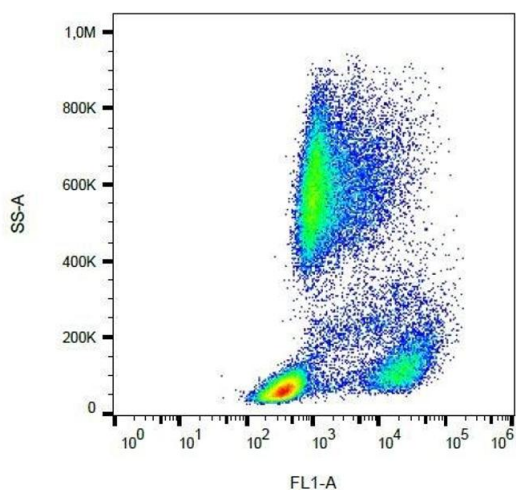
Product cited in: Ludwig, Schultz, Boehncke, Podda, Tandi, Krombach, Baatz, Kaufmann, von Andrian, Zollner: "Activated, not resting, platelets increase leukocyte rolling in murine skin utilizing a distinct set of adhesion molecules." in: **The Journal of investigative dermatology**, Vol. 122, Issue 3, pp. 830-6, (2004) ([PubMed](#)).

Kowalska, Ratajczak, Hoxie, Brass, Gewirtz, Poncz, Ratajczak: "Megakaryocyte precursors, megakaryocytes and platelets express the HIV co-receptor CXCR4 on their surface: 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](#)).

Holme, Müller, Solum, Brosstad, Frøland, Aukrust: "Enhanced activation of platelets with abnormal release of RANTES in human immunodeficiency virus type 1 infection." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 12, Issue 1, pp. 79-89, (1998) ([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.** Surface staining of human peripheral blood with anti-CD62P (AK4) FITC.