

# Product Data Sheet

## Purified anti-human CD62P (P-Selectin)

**Catalog # / Size:** 304901 / 25 µg  
304902 / 100 µg

**Clone:** AK4

**Isotype:** Mouse IgG1, κ

**Workshop Number:** VI P-44

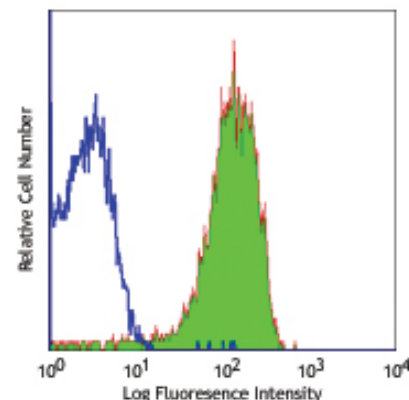
**Reactivity:** Human, **Cross-Reactivity:** Chimpanzee

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



Thrombin-activated human peripheral blood platelets stained with purified AK4, followed by anti-mouse IgGs FITC

## Applications:

**Applications:** FC - *Quality tested*  
IHC - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections, and *in vitro* blocking of adhesion of platelets<sup>1</sup>. The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 304912).

**Application References:** 1. Skinner M, *et al.* 1991. *J. Biol. Chem.* 266:5371. (Block)  
2. Kishimoto T, *et al.* Eds. 1997. *Leucocyte Typing VI*. Garland Publishing Inc. London.  
3. Yen Y-T, *et al.* 2006. *J. Virolo.* 80:2684.

**Description:** CD62P is a 140 kD type I transmembrane glycoprotein also known as P-Selectin, platelet activation-dependent granule membrane protein (PADGEM), or GMP-140. It is expressed on activated platelets, megakaryocytes, and endothelial cells. CD62 is primarily stored in secretory α-granules in platelets and Weibel-Palade bodies in endothelial cells and is rapidly relocated to the plasma membrane upon activation. The ligands for CD62P are CD162 and CD24. A primary function of CD62P is cell adhesion during neutrophil rolling, platelet-neutrophil, and platelet-monocyte interactions.

**Antigen References:** 1. McEver R, *et al.* 1995. *J. Biol. Chem.* 270:11025.  
2. Varki A. 1994. *P. Natl. Acad. Sci. USA* 91:7390.

### Related Products:

**Product**  
Purified anti-human CD62L

Purified Mouse IgG1, κ Isotype Ctrl

APC Goat anti-mouse IgG (minimal x-reactivity)

FITC Goat anti-mouse IgG (minimal x-reactivity)

HRP Goat anti-mouse IgG (minimal x-reactivity)

PE Goat anti-mouse IgG (minimal x-reactivity)

Cell Staining Buffer

RBC Lysis Buffer (10X)

Purified anti-human CD24

### Clone

DREG-56

MOPC-21

Poly4053

Poly4053

Poly4053

Poly4053

ML5

### Application

FC, IHC, WB

FC, ICFC, ICC, IF, IHC, IP, WB

FC

FC

ELISA, IHC, WB

FC

FC, ICC, ICFC

FC, ICFC

FC, IF, IHC



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