

Biotin anti-human CD62P (P-Selectin)

Catalog # / Size: 304914 / 100 µg

Clone: AK4

Isotype: Mouse IgG1, κ

Workshop Number: VI P-44

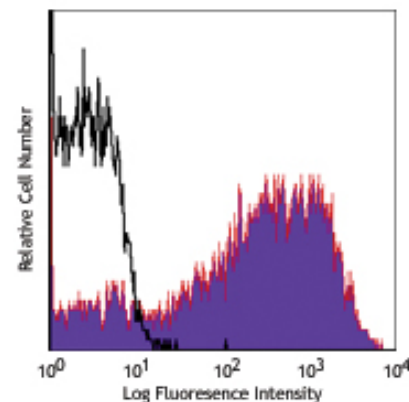
Reactivity: Human, **Cross-Reactivity:** Chimpanzee

Preparation: The antibody was purified by affinity chromatography, and conjugated with Biotin under optimal conditions. The solution is free of unconjugated Biotin.

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 platelets stained with biotinylated AK4, followed by Sav-PE

Applications:

Applications: FC - Quality tested

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 ≤2.0 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 platelets¹. 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	Clone	Application
Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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