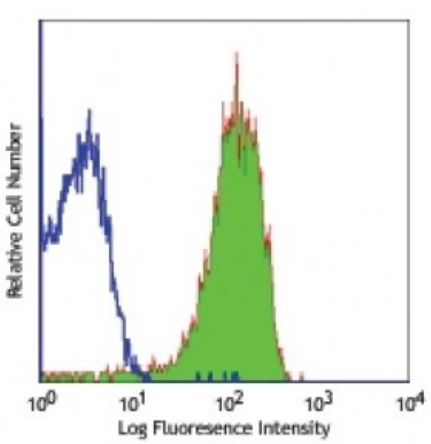
SONY

Product Data Sheet

Purified anti-human CD62P (P-Selectin)

Catalog # / Size:	2124510 / 100 µg
Clone:	AK4
Isotype:	Mouse IgG1, κ
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	VI P-44
Concentration:	0.5



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

Applications:

Applications:	Flow Cytometry, Immunohistochemistry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.5 microg per million cells in 100 microL 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 sections4 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. 304911).

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 YT, *et al.* 2006. *J. Virol.* 80:2684.
4. Sato Y, *et al.* 2005. *Blood* 106:428. (IHC)

Description: CD62P is a 140 kD type I transmembrane glycoprotein also known as P-selectin, platelet activation-dependent granule membrane protein (PADGEM), and GMP-140. It is expressed on activated platelets, megakaryocytes, and endothelial cells. CD62P 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, and 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.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com