

FITC anti-human CD62P (P-Selectin)

Catalog # / Size: 304903 / 25 tests
304904 / 100 tests

Clone: AK4

Isotype: Mouse IgG1, κ

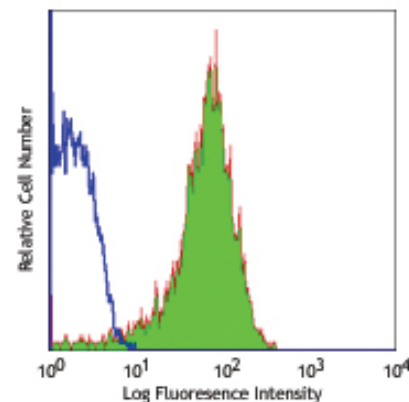
Workshop Number: VI P-44

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

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

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Thrombin-activated human peripheral blood platelets stained with AK4 FITC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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/ μ g, Azide-Free, 0.2 μ m 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. Virol.* 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
FITC anti-human CD62L	DREG-56	FC
FITC Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
FITC anti-human CD24	ML5	FC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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