

PE anti-human CD61

Catalog # / Size: 336405 / 25 tests
336406 / 100 tests

Clone: VI-PL2

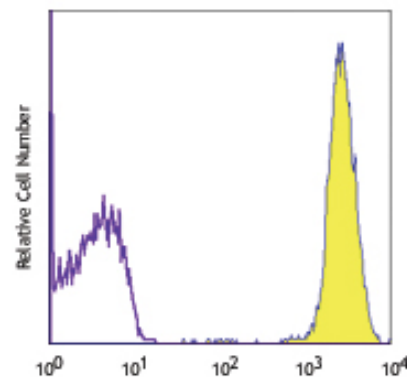
Isotype: Mouse IgG1, κ

Reactivity: Human, **Cross-Reactivity:** Baboon, Rhesus, Cynomolgus

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

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.**



Human peripheral blood platelets stained with VI-PL2 PE

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: Western blot and immunohistochemical staining of frozen tissue sections.

Application References:

1. Davies J, *et al.* 1989. *J. Cell Biol.* 109:1817.
2. Roberts M, *et al.* 2004. *Mol. Cell. Biol.* 24:1505.
3. Ciarlet M, *et al.* 2002. *J. Virol.* 76:1109.

Description: CD61, known as integrin β 3 or glycoprotein IIIa (gpIIIa), is a 90 kD type I integral transmembrane glycoprotein. It is a member of integrin family that associates with platelet gpIIb (CD41) forming CD41/CD61 complex and associates with integrin α V (CD51) forming α V/ β 3 (CD51/CD61) integrin. CD41/CD61 is expressed on platelets and megakaryocytes, and plays a role in platelet activation and aggregation through interaction with fibrinogen, fibronectin, vWF, and other RGD-containing adhesion molecules. CD51/CD61 is expressed on platelets, osteoclasts, fibroblasts, macrophages, and some tumor cells involved in tumor metastasis and in adenovirus infection through binding to RGD motif ECM proteins. Normal 0 false false false EN-US X-NONE X-NONE MicrosoftInternetExplorer4

Antigen References: 1. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers.*

Related Products:	Product	Clone	Application
	PE Mouse IgG1, κ Isotype Ctrl (FC)	MOPC-21	FC
	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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