

## FITC anti-human CD61

**Catalog # / Size:** 336403 / 25 tests  
336404 / 100 tests

**Clone:** VI-PL2

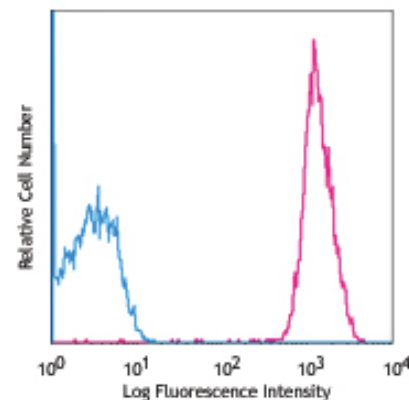
**Isotype:** Mouse IgG1,  $\kappa$

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

**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.**



Human peripheral blood platelets stained with VI-PL2 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  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ 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](http://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  $\beta$ 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  $\alpha$ V (CD51) forming  $\alpha$ V/ $\beta$ 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
FITC Mouse IgG1, $\kappa$ 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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