

Product Data Sheet

Purified anti-human CD61

Catalog # / Size: 336401 / 25 µg
336402 / 100 µg

Clone: VI-PL2

Isotype: Mouse IgG1, κ

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

Preparation: The antibody was purified by affinity chromatography.

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.

Applications:

Applications: FC - *Quality tested*
CyTOF®, IF - *Validated*
IHC, WB - *Reported in the literature*

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 ≤0.5 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: 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.

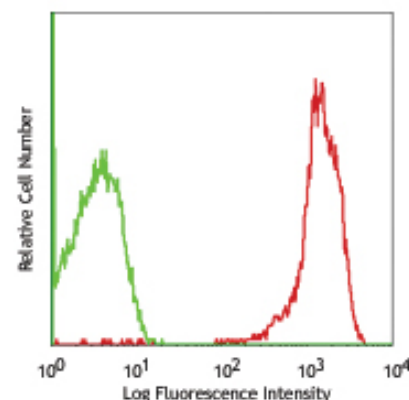
Description: CD61, known as integrin b3 or glycoprotein IIIa (gpIIIa), is a 90 kD type I integral transmembrane glycoprotein. It is a member of integrin family that associates with platelet gpIIb (CD41) forming CD41/CD61 complex and associates with integrin αV (CD51) forming αV/b3 (CD51/CD61) integrin. 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.*

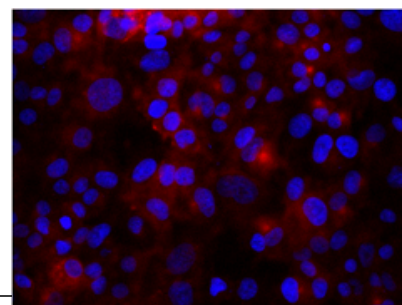
Related Products: **Product**
Purified Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
MOPC-21

Application
FC, ICFC, ICC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



Human peripheral blood platelets stained with purified VI-PL2, followed by anti-mouse IgG FITC



MDA-MB-231 breast cancer cells were stained with anti-CD61 (clone VI-PL2) followed by DyLight™ 649 Goat anti-rat Ig secondary antibody (red), plus DAPI staining for nuclei (blue). Images were taken under 20x bin4 (Filter set: EX647/10x, Dichroic 665LP, EM 700/70x) at exposure 4s. Data provided by Er Liu and John Nolan, La Jolla Institute for Bioengineering.



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