BioLegend
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Product Data Sheet

Alexa Fluor® 647 anti-human CD61

Catalog # / Size: 336407 / 25 tests
336408 / 100 tests

Clone: VI-PL2

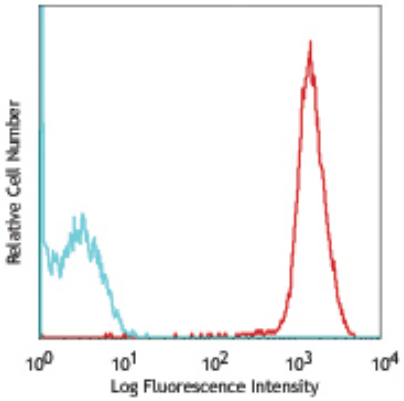
Isotype: Mouse IgG1, κ

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

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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 Alexa Fluor® 647

Applications:

Applications: FC - *Quality tested*

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 5 µl per million cells in 100 µl volume or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.
** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

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 aV (CD51) forming aV/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	Clone	Application
Alexa Fluor® 647 Mouse IgG1, κ Isotype Ctrl (FC)	MOPC-21	FC, IF
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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