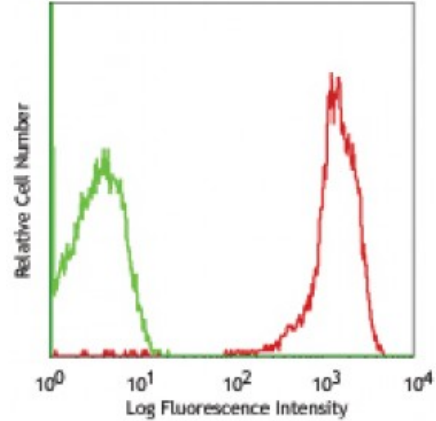


**Purified anti-human CD61**

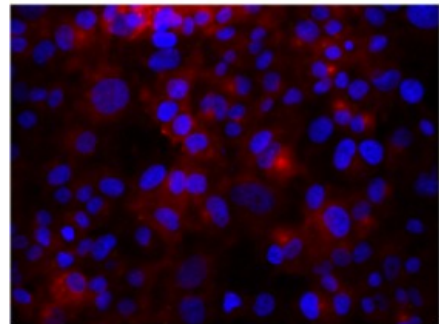
**Catalog # / Size:** 2282010 / 100 µg  
**Clone:** VI-PL2  
**Isotype:** Mouse IgG1, κ  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5



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

**Applications:**

**Applications:** Other  
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.5 microg per million cells in 100 microL 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 blotting and immunohistochemical staining of frozen tissue sections.



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 665

**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, also known as integrin β3 and glycoprotein IIIa (gpIIIa), is a 90 kD type I integral transmembrane glycoprotein. It is a member of the integrin family, associating with platelet gpIIb (CD41) to form CD41/CD61 complex and with integrin αV (CD51) to form αV/β3 (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 in extracellular matrix

proteins.

**Antigen  
References:**

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