OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM26143PU-N

CD61 (ITGB3) Mouse Monoclonal Antibody [Clone ID: VIPL2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	VIPL2
Applications:	FC, IHC, WB
Recommended Dilution:	**Flow Cytometry** **Western blot.** **Immunohistochemistry on Frozen Sections.**
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This Mouse monoclonal antibody VIPL2 recognizes CD61, a 90-110 kDa transmembrane glycoprotein of integrin family, expressed on platelets, megacaryocytes, osteoclasts, endothelial cells and other cell types, including leucocytes and smooth muscle cells. HLDA V.; WS Code 5T-124
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit beta 3
Database Link:	Entrez Gene 3690 Human P05106

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Background:	CD61 (beta3 integrin) is a transmembrane glycoprotein, which associates with CD41 or CD51 molecules to form heterodimeric adhesion receptores. CD41/CD61 complex is one of the earliest markers of the megakaryocytic lineage. It binds to fibronectin, fibrinogen and von Willebrand factor, and is involved in platelet aggregation. CD51/CD61 complex has similar binding properties and is involved in modulating migration and survival of angiogenic endothelial cells.
Synonyms:	Integrin beta-3, GP3A, GPIIIa
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton