

For Research Use Only

Anti-Human CD61 (VIPL2)

Catalog Number: 65185-1-Ig **1 Publications**



Basic Information

Catalog Number:

65185-1-Ig

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC127666

GeneID (NCBI):

3690

UNIPROT ID:

P05106

Full Name:

integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)

Calculated MW:

788 aa, 87 kDa

Purification Method:

Purified by protein-A affinity chromatography

CloneNo.:

VIPL2

Recommended Dilutions:

FC: 0.4 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Cited Applications:

IF

Species Specificity:

human, non-human primates

Cited Species:

human

Positive Controls:

FC : Human peripheral blood platelets,

Background Information

CD61 is a 110-kDa membrane glycoprotein that is also termed integrin $\beta 3$ chain or GPIIIa. CD61 can associate with integrin αV chain (CD51) or integrin αIIb chain (CD41, GPIIb) to form heterodimeric receptors for cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, plasminogen, prothrombin, thrombospondin, vitronectin and von Willebrand factor (PMID: 7694604; 9251239; 2018971; 20628538). Integrin $\alpha V\beta 3$ (CD51-CD61) is present on endothelium, smooth muscle, osteoclasts, platelets, some fibroblasts, some activated leukocytes and tumor cells (PMID: 7694604). GPIIb-IIIa (CD41-CD61) is restricted in distribution to platelets and cells of megakaryoblastic potential and is required for platelet aggregation (PMID: 2018971; 16322781).

Notable Publications

Author	Pubmed ID	Journal	Application
Peng Xu	37349902	Small Methods	IF

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

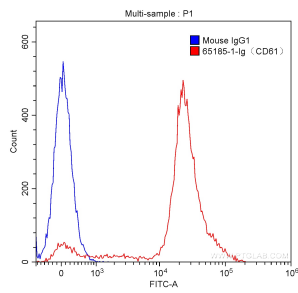
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Human peripheral blood platelets were surface stained with Purified Anti-Human CD61 (65185-1-Ig, Clone:VIPL2) (red) or Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Cells were not fixed.