

For Research Use Only

# PE Anti-Human CD61 (VIPL2)

Catalog Number: PE-65185



## Basic Information

**Catalog Number:**

PE-65185

**Size:**

100 tests, 10  $\mu$  l/test

**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:**

The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

**CloneNo.:**

VIPL2

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human, Non-human primates

## Background Information

CD61 is a 110-kDa membrane glycoprotein that is also termed integrin  $\beta$  3 chain or GPIIIa. CD61 can associate with integrin  $\alpha$  V chain (CD51) or integrin  $\alpha$  IIb 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).

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.1% sodium azide.

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

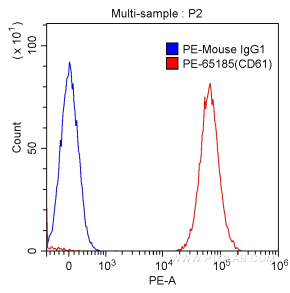
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> human peripheral blood platelets were surface stained with 10.00 ul/test PE Anti-Human CD61 (PE-65185, Clone:VIPL2) (red) or isotype control antibody (blue). Cells were not fixed.