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## FITC Anti-Human CD61 Antibody[VI-PL2]

Catalog Number: E-AB-F1166C

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. VI-PL2

FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C] Isotype Control

Conjugation

**Conjugation Information** FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

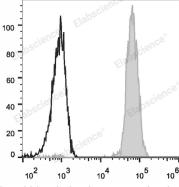
#### **Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM** 

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



Human peripheral blood platelets are stained with FITC Anti-Human CD61 Antibody (filled gray histogram). Unstained platelets (empty black histogram) are used as control.

#### **Preparation & Storage**

Keep as concentrated solution. Storage

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

**Shipping** Ice bag

#### **Antigen Information**

**Alternate Names** GP3A;GPIIIa;ITGB3;Integrin beta-3

**Uniprot ID** P05106 Gene ID 3690

### For Research Use Only

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#### **Background**

CD61, also known as integrin  $\beta$ 3 and glycoprotein Illa (gpIlla), is a 90 kD type I integral transmembrane glycoprotein. It is a member of the integrin family, associating with platelet gpIlb (CD41) to form CD41/CD61 complex and with integrin  $\alpha$ V (CD51) to form  $\alpha$ V/ $\beta$ 3 (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, WF, 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.

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