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# PE/Cyanine5 Anti-Human CD41 Antibody[HIP8]

Catalog Number: E-AB-F1088G

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

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. HIP8

Isotype Control PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G]

Conjugation PE/Cyanine 5

Conjugation Information PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm

(e.g., a 690/50 nm bandpass filter).

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

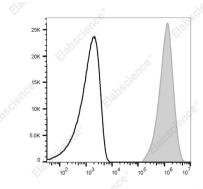
#### Applications Recommended usage

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

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

individual use.

#### Data



Human platelets are stained with PE/Cyanine5 Anti-Human CD41 Antibody[HIP8] (filled gray histogram) or PE/Cyanine5 Mouse IgG1, κ Isotype Control (empty black histogram).

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names ITGAB;CD41;GP2B;GPIlb;GPalpha lib;ITGA2B;Integrin alpha-lib;Platelet membrane

glycoprotein lib

 Uniprot ID
 P08514

 Gene ID
 3674

### For Research Use Only

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#### **Elabscience Bionovation Inc.**



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## **Background**

CD41 is a 125/25 kD  $\alpha$  subunit of the gpllb/llla (CD41/CD61) complex. CD41 is a heterodimer composed of a heavy chain (gpllb $\alpha$ ) and light chain (gpllb $\beta$ ) linked by a single disulfide bond. It is a member of the integrin family primarily expressed on platelets and megakaryocytes. CD41 has been reported to be involved with platelet aggregation and platelet attachment to the ECM. CD41/CD61 complex acts as the receptor for fibrinogen, fibronectin, Von Willebrand factor and thrombin.