

For Research Use Only

Anti-Human CD41 (HIP8)

Catalog Number: 65173-1-Ig



Basic Information

Catalog Number:

65173-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC117443

GeneID (NCBI):

3674

UNIPROT ID:

P08514

Full Name:

integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)

Purification Method:

Affinity purification

CloneNo.:

HIP8

Recommended Dilutions:

FC: 0.2 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human, non-human primates

Positive Controls:

FC : human peripheral blood,

Background Information

The integrins are a superfamily of cell adhesion receptors that bind to extracellular matrix ligands, cell-surface ligands, and soluble ligands (PMID: 17543136). They are transmembrane $\alpha\beta$ heterodimers and at least 24 distinct integrin heterodimers are formed by the combination of 18 α and eight β known subunits (PMID: 17543136; 20029421). In addition to mediating cell adhesion, integrins also play important roles in modulating signal transduction pathways that control cellular responses including migration, proliferation, differentiation, and apoptosis (PMID: 19118207). Integrin α -IIb (ITGA2B, CD41) is expressed on platelets, megakaryocytes and some hematopoietic progenitor cells (PMID: 11934866). This protein undergoes post-translational cleavage to yield disulfide linked light beta (25 kDa) and heavy alpha (125 kDa) chains, which join with integrin beta3 (CD61) to form a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. CD41/CD61 is crucial for platelet aggregation through binding of soluble fibrinogen. The HIP8 clone antibody specifically binds to the alpha chain of CD41.

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

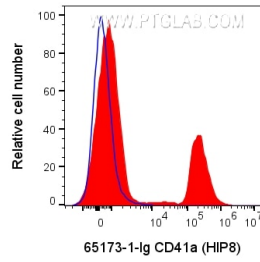
For technical support and original validation data for this product please contact:

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

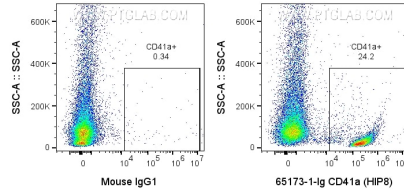
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



100 ul human platelet rich plasma (diluted 1:4 with PBS) was surface stained with 0.2 ug Anti-Human CD41a (65173-1-Ig, Clone:HIP8) or Mouse IgG1 Isotype Control (65124-1-Ig, Clone: MOPC-21) and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM005). Cells were not fixed.



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