

For Research Use Only

Anti-Mouse CD41 (MWReg30) Rat Recombinant Antibody, PBS Only

Catalog Number: 65674-1-PBS



Basic Information

Catalog Number:

65674-1-PBS

Size:

1mg, 3 mg/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC120493

GeneID (NCBI):

16399

UNIPROT ID:

Q9QUM0

Full Name:

integrin alpha 2b

Purification Method:

Protein A purification

CloneNo.:

MWReg30

Applications

Tested Applications:

FC

Species Specificity:

mouse

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

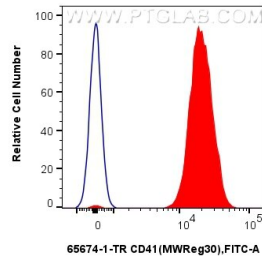
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



1×10^6 mouse peripheral blood platelets were surface stained with 0.25 μ g Anti-Mouse CD41 (MWReg30) Rat RecAb (65674-1-TR, Clone: MWReg30) (red) or Rat IgG2a Isotype Control (2A3) (65209-1-Ig, Clone: 2A3) (blue), and FITC anti-Rat IgG2a antibody. Cells were not fixed. This data was developed using the same antibody clone with 65674-1-PBS in a different storage buffer formulation.