

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD41 (MWReg30)

Catalog Number: CL488-65189



Basic Information

Catalog Number:

CL488-65189

Concentration:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG1, kappa

GenBank Accession Number:

BC120493

GeneID (NCBI):

16399

UNIPROT ID:

Q9QUM0

Full Name:

integrin alpha 2b

Purification Method:

Affinity purification

CloneNo.:

MWReg30

Recommended Dilutions:

FC: 0.5 ug per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse peripheral blood platelets,

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 alpha-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 2-8°C. Avoid exposure to light. 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:

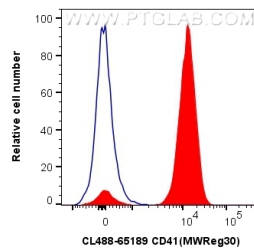
T: 4006900926

E: Proteintech-CN@ptglab.com

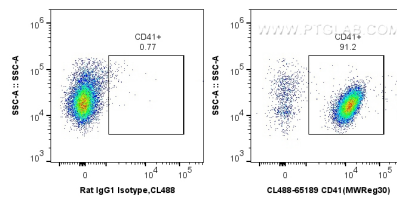
W: ptgcn.com

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Selected Validation Data



1X10⁶ Balb/c mouse peripheral blood platelets were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Mouse CD41 (CL488-65189, Clone: MWReg30) (red), or 0.5 ug Isotype Control. Cells were not fixed.



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