For Research Use Only

CoraLite® Plus 405 Anti-Human CD41 Rabbit Recombinant Antibody

Catalog Number:CL405-98865

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Basic Information

Catalog Number:
CL405-98865

Concentration:
100tests, 5 ul/test

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG10496

GenBank Accession Number:

GeneID (NCBI):
3674

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

Purification Method:
Protein A purification

CloneNo.:
252680E10

Recommended Dilutions:
FC: 5 ul per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
399 nm / 422 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : Hel 92.1.7 cells,

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 α β 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.

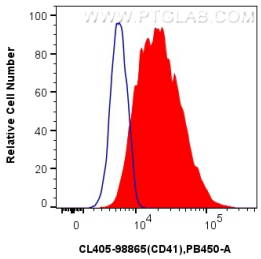
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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



1x10^6 Hel 92.1.7 cells were surface stained with 0.25 ug / 5 ul CoraLite® Plus 405 Anti-Human CD41 Rabbit RecAb (CL405-98865, Clone: 252680E10) (red) or 0.25 ug CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-98136, Clone: 240953C9) (blue). Cells were not fixed.