

For Research Use Only

APC Anti-Human CD42b (AK2)

Catalog Number: APC-65163



Basic Information

Catalog Number:

APC-65163

Size:

100tests , 5 µl/test

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC027955

GeneID (NCBI):

2811

Full Name:

glycoprotein Ib (platelet), alpha polypeptide

Calculated MW:

626 aa, 69 kDa

Purification Method:

Purified by protein-A affinity chromatography

CloneNo.:

AK2

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

Background Information

CD42b, also known as platelet glycoprotein Ib alpha chain (GPIb alpha), is a type I transmembrane glycoprotein of 135-145 kDa (PMID: 2656709). It is expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are linked by a disulphide bond to form GPIb (PMID: 7660135). GPIb forms a noncovalent complex with CD42a (GPIX) and CD42d (GPV) and acts as a receptor for von Willebrand factor (vWF) and thrombin (PMID: 7660135; 3759960). The GPIb-V-IX complex mediates vWF-dependent platelet adhesion to blood vessels. Defects in the expression of CD42b result in Bernard-Soulier syndromes and platelet-type von Willebrand disease (PMID: 9371310).

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.

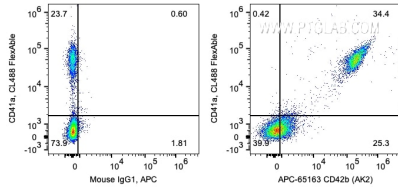
For technical support and original validation data for this product please contact:

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

Selected Validation Data



1X10⁶ human peripheral blood platelets were surface co-stained with Anti-Human CD41a labeled with FlexAble CoraLite® Plus 488 Antibody Labeling Kit for Mouse IgG1 (KFA041) and 5 ul APC Anti-Human CD42b (APC-65163, Clone: AK2) or Mouse IgG1 Isotype Control. Cells were not fixed.