

For Research Use Only

Anti-human CD42b (AK2)

Catalog Number: 65163-1-Ig



Basic Information

Catalog Number:

65163-1-Ig

Size:

100ug, Concentration: 1 mg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

Mouse 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

Applications

Tested Applications:

FC, ELISA

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 (GPIIX) 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.

Storage Buffer:

PBS with 0.1% sodium azide.

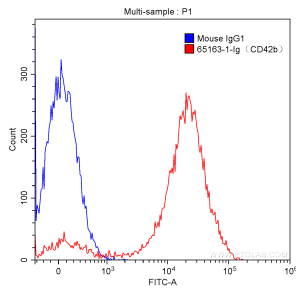
For technical support and original validation data for this product please contact:

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Selected Validation Data



Human peripheral blood platelets were surface stained with Purified Anti-Human CD42b (65163-1-Ig, Clone:AK2) (red) or Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Samples were not fixed.