

For Research Use Only

Anti-Human CD42b (AK2) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65588-1-PBS



Basic Information

Catalog Number:

65588-1-PBS

Size:

1mg, 2 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC027955

GeneID (NCBI):

2811

ENSEMBL Gene ID:

ENSG00000185245

Full Name:

glycoprotein Ib (platelet), alpha polypeptide

Calculated MW:

626 aa, 69 kDa

Purification Method:

Protein A purification

CloneNo.:

AK2

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 -80°C.

Storage Buffer:

PBS Only

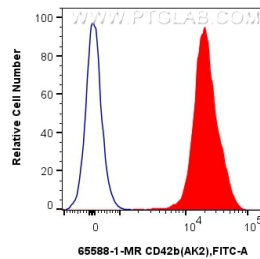
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ human peripheral blood platelets were surface stained with 0.25 ug Anti-Human CD42b Mouse IgG2a Recombinant Antibody (65588-1-MR, Clone: AK2) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C.1.18.4) (blue) and CoraLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 65588-1-PBS in a different storage buffer formulation.