For Research Use Only

CoraLite® Plus 647 Anti-Human CD42b (AK2) Mouse IgG2a Recombinant Antibody

Catalog Number:CL647-65588

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-65588

Size:
100tests, 5 ul/test

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

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

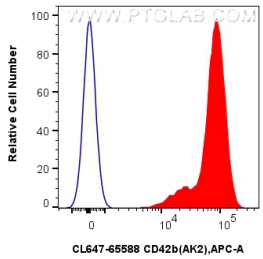
CD42b, also known as platelet glycoprotein Ib alpha chain (GPIb alpha), is a type I transmembrane glycoprotein of 135-145 kDa (PMID: 2656709). It is expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are linked by a disulphide bond to form GPIb (PMID: 7660135). GPIb forms a noncovalent 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:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1x10^6 human peripheral blood platelets were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD42b (AK2) Mouse IgG2a Recombinant Antibody (CL647-65588, Clone: AK2) (red), or CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4) (blue). Cells were not fixed.