For Research Use Only

CoraLux™ Violet 510 Anti-Human CD42b (AK2) Mouse IgG2a Recombinant Antibody

Catalog Number:CLV510-65588

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CLV510-65588

Size:
100tests , 5 ul/test

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
BC027955

GeneID (NCBI):
2811

ENSEMBL Gene ID:
ENSG00000185245

UNIPROT ID:
P07359

Full Name:
glycoprotein Ib (platelet), alpha polypeptide

Calculated MW:
626 aa, 69 kDa

Purification Method:
Protein A purification

CloneNo.:
AK2

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

Excitation/Emission maxima wavelengths:
410 nm / 501 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human peripheral blood platelets,

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, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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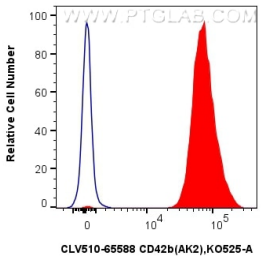
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 human peripheral blood platelets were surface stained with 5 ul CoraLux Violet 510 Anti-Human CD42b (AK2) Mouse IgG2a RecAb (CLV510-65588, Clone: AK2) (red), or unstained (blue). Cells were not fixed.