CoraLite® Plus 750 Anti-Human CD42b (AK2)

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Antibodies | ELISA kits | Proteins

Catalog Number:CL750-65163

Basic Information

Catalog Number:
CL750-65163

Size:
100tests , 5 µl/test

Source:
Mouse

Isotype:
IgG1

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:
Purified by protein-A affinity chromatography

CloneNo.:
AK2

Excitation/Emission maxima wavelengths:
755 nm / 780 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.
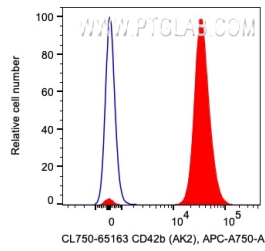**Storage Buffer:**
PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data

1X10^6 human peripheral blood platelets were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD42b (CL750-65163, Clone:AK2) or Mouse IgG1 Isotype Control. Cells were not fixed.