

For Research Use Only

CoraLite® Plus 488 Anti-Human CD42b (AK2) Mouse IgG2a Recombinant Antibody

Catalog Number: CL488-65588



Basic Information

Catalog Number: CL488-65588	GenBank Accession Number: BC027955	Purification Method: Protein A purification
Size: 100tests, 5 ul/test	GeneID (NCBI): 2811	CloneNo.: AK2
Source: Mouse	ENSEMBL Gene ID: ENSG00000185245	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: glycoprotein Ib (platelet), alpha polypeptide	
	Calculated MW: 626 aa, 69 kDa	

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 (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. 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:

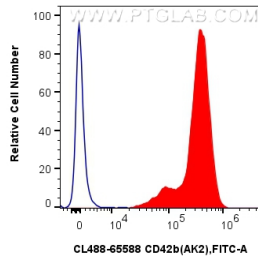
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human peripheral blood platelets were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD42b (AK2) Mouse IgG2a Recombinant Antibody (CL488-65588, Clone: AK2) (red), or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were not fixed.