Datasheet for ABIN94112

anti-Integrin Alpha2b antibody

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Overview

Quantity:	0.1 mg
Target:	Integrin Alpha2b (CD41)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin Alpha2b antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Clone:	HIP2
Isotype:	IgG3
Specificity:	The antibody HIP2 reacts with an extracellular epitope on beta (b) subunit of CD41 glycoprotein (light chain, 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	Integrin Alpha2b (CD41)
Alternative Name:	CD41b (CD41 Products)

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Target Details

Background:	Integrin subunit alpha 2b,CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa a, alpha and 23 kDa b, beta) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin. CD41 is mainly expressed on megakaryocyte-platelet lineage, but generally belongs to the antigens that are expressed during early stages of hematopoietic differentiation.,GT, GTA, GP2B, HPA3, GPIIb
Gene ID:	3674
UniProt:	P08514
Pathways:	Integrin Complex

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Wu: "[Production and application of anti-human platelet GP IIb/IIIa monoclonal antibodies]." in: **Zhonghua yi xue za zhi**, Vol. 69, Issue 8, pp. 427-30, 30, (1990) (PubMed).

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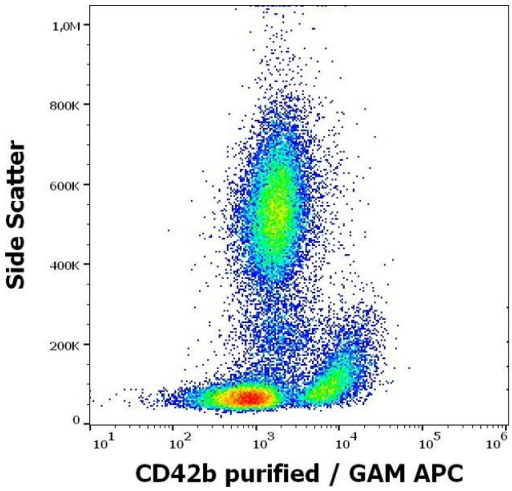
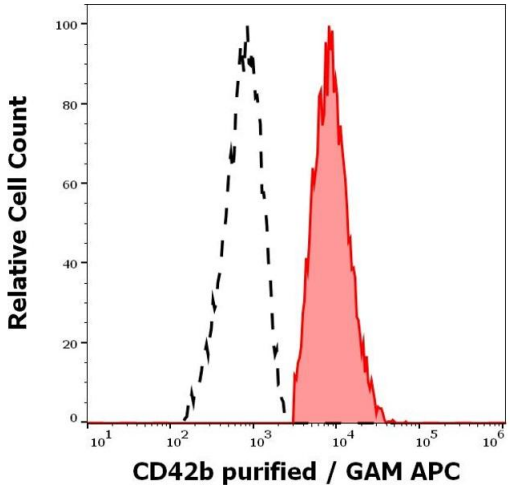


Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD41b (HIP2) purified antibody (concentration in sample 9 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of human CD42b positive debris (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD41b (HIP2) purified antibody (concentration in sample 9 µg/mL, GAM APC).

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