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## Datasheet for ABIN94107 anti-Integrin Alpha2b antibody (Biotin)

2 Images

1 Publication



## Overview

Quantity:	0.1 mg
Target:	Integrin Alpha2b (CD41)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin Alpha2b antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Leukocytes of patient suffering from LGL-type leukaemia.
Clone:	MEM-06
Isotype:	lgG1
Specificity:	The antibody MEM-06 reacts with an extracellular epitope of CD41 (GPIIb), a transmembrane glycoprotein (integrin family) composed of two chains GPIIb alpha (heavy chain, 120 kDa) and GPIIb beta (light chain, 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

## Target Details

Target:

Integrin Alpha2b (CD41)

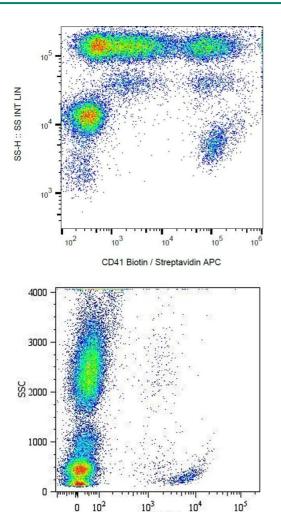
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Target Details	
Alternative Name:	CD41 (CD41 Products)
Background:	Integrin subunit alpha 2b,CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa a, alpha and 23 kDa b, beta) that interact with CD61 in the presence of calcium to form 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.,Platelet GPIIb, Integrin alpha-IIb, GPalpha IIb, GTA
Gene ID:	3674
UniProt:	P08514
Pathways:	Integrin Complex
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 2 µg/mL.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 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:	<b>Do not freeze.</b> Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

#### Product cited in:

Karimi, Dalirfardouei, Dias, Lötvall, Lässer: "Tetraspanins distinguish separate extracellular vesicle subpopulations in human serum and plasma - Contributions of platelet extracellular vesicles in plasma samples." in: **Journal of extracellular vesicles**, Vol. 11, Issue 5, pp. e12213, (2022) (PubMed).

## Images



CD41 PE

### **Flow Cytometry**

**Image 1.** Flow cytometry analysis (surface staining) of human platelets with anti-human CD41 (MEM-06) biotin, streptavidin-APC.

### **Flow Cytometry**

**Image 2.** Surface staining of human platelets with antihuman CD41 (MEM-06) PE.

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