

Datasheet for ABIN94111
anti-Integrin Alpha2b antibody[1 Image](#)[1 Publication](#)[Go to Product page](#)

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:	HIP8
Isotype:	IgG1
Specificity:	The antibody HIP8 reacts with an extracellular epitope on alpha (a) subunit of CD41 (heavy chain, 120 kDa). CD41 is mainly expressed on platelets and megakaryocytes. The antibody HIP8 blocks platelet aggregation and completely inhibits ADP-, epinephrine-, and collagen-induced platelet activation, and partially inhibits ristocetin- and thrombin-induced platelet activation. HIP8 is useful in the morphological and physiological studies o 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)
Abstract:	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.,GT, GTA, GP2B, HPA3, GPIIb
Gene ID:	3674
UniProt:	P08514
Pathways:	Integrin Complex

Application Details

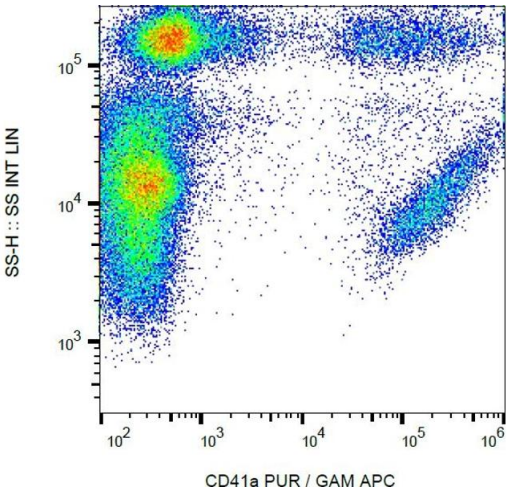
Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	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:	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) of human peripheral blood cells with anti-CD41a (HIP8) purified, GAM-APC.