



[Go to Product page](#)

Datasheet for ABIN2749066

anti-Integrin Alpha2b antibody

2 Images

3 Publications

Overview

Quantity:	0.1 mg
Target:	Integrin Alpha2b (CD41)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Integrin Alpha2b antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Murine platelets
Clone:	MWReg30
Isotype:	IgG1 kappa
Specificity:	The rat monoclonal antibody MWReg30 recognizes 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):	Mouse
Purification:	Purified by protein-G affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	Integrin Alpha2b (CD41)
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, GPIIb
Gene ID:	16399
UniProt:	Q9QUM0
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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

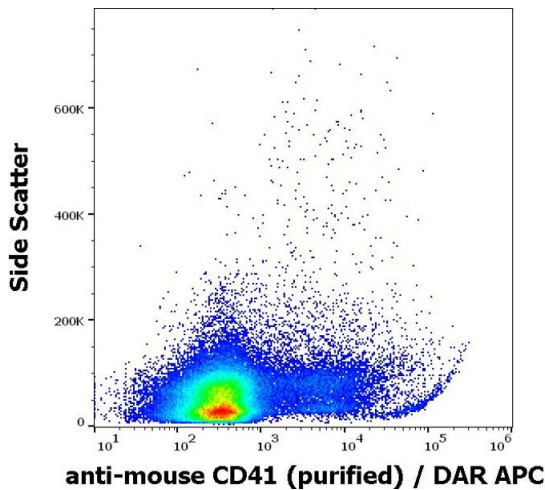
Publications

Product cited in:	Ramsey, Zhang, Brown, Steensma, Lin, Wu: "Stress-induced hematopoietic failure in the absence of immediate early response gene X-1 (IEX-1, IER3)." in: Haematologica , Vol. 99, Issue 2, pp. 282-91, (2014) (PubMed).
-------------------	--

Boisset, Clapes, Van Der Linden, Dzierzak, Robin: "Integrin α IIb (CD41) plays a role in the maintenance of hematopoietic stem cell activity in the mouse embryonic aorta." in: **Biology open**, Vol. 2, Issue 5, pp. 525-32, (2013) ([PubMed](#)).

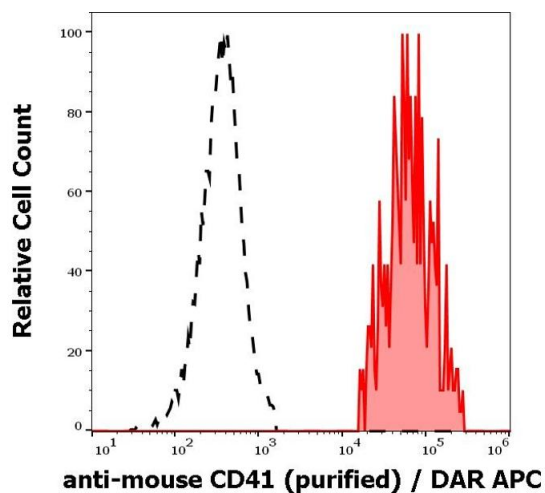
Sullivan, Wang, Tawfik, Luyendyk: "Protective and damaging effects of platelets in acute cholestatic liver injury revealed by depletion and inhibition strategies." in: **Toxicological sciences : an official journal of the Society of Toxicology**, Vol. 115, Issue 1, pp. 286-94, (2010) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of murine blood suspension stained using anti-mouse CD41 (MWRReg30) purified antibody (concentration in sample 0,6 μ g/mL, GAM APC).



Flow Cytometry

Image 2. Separation of murine CD41 positive thrombocytes (red-filled) from CD41 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine blood stained using anti-mouse CD41 (MWRReg30) purified antibody (concentration in sample 0,6 μ g/mL, GAM APC).