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Datasheet for ABIN94110 anti-CD41, CD61 antibody

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Overview

Quantity:	0.1 mg
Target:	CD41, CD61
Reactivity:	Human, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD41, CD61 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Bovine trombocytes.
Clone:	IVA30
Isotype:	IgG2
Specificity:	The antibody IVA30 reacts with CD41/CD61 complex (bovine), one of the earliest markers of the megakaryocytic lineage. CD41/CD61 complex acts as the receptor for fibrinogen, fibronectin, Von Willebrand factor, vitronectin, thrombin and mediates platelets aggregation. CD41/CD61 is expressed only by platelets and megakaryocytes, the complex may be absent or strongly reduced in Glanzmann's thrombasthenia (GT). This antibody crossreacts with human platelets.
Cross-Reactivity (Details):	Human, Bovine
Purification:	Purified by protein-A affinity chromatography
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD41, CD61
Abstract:	CD41, CD61 Products
Background:	CD41 is a transmembrane glycoprotein (integrin family) composed of two chains GPIIb alpha (heavy chain, 120 kDa) and GPIIb beta (light chain, 23 kDa). CD61 non-covalently associates with CD41.

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

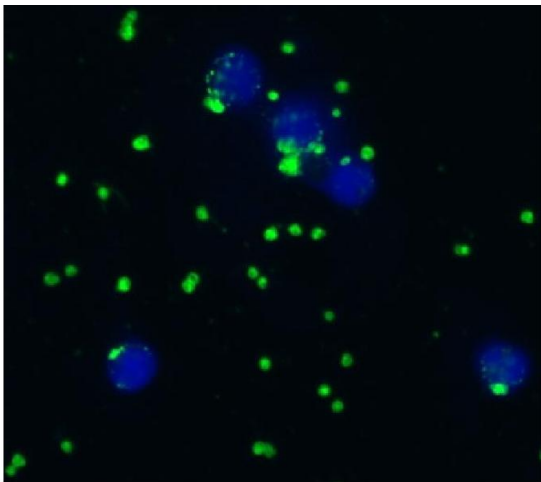
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
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. Do not use after expiration date stamped on vial label.

Publications

Product cited in:	<p>Egginton, Hussain, Hall-Jones, Chaudhry, Syeda, Glen: "Shear stress-induced angiogenesis in mouse muscle is independent of the vasodilator mechanism and quickly reversible." in: Acta physiologica (Oxford, England), Vol. 218, Issue 3, pp. 153-166, (2017) (PubMed).</p> <p>Dallabrida, Ismail, Pravda, Parodi, Dickie, Durand, Lai, Cassiola, Rogers, Rupnick: "Integrin binding angiopoietin-1 monomers reduce cardiac hypertrophy." in: FASEB journal : official publication of the Federation of American Societies for Experimental Biology, Vol. 22, Issue 8, pp. 3010-23, (2008) (PubMed).</p> <p>Câmpean, Karpe, Haas, Atalla, Peters, Rupprecht, Liebner, Acker, Plate, Amann: "Angiopoietin 1</p>
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and 2 gene and protein expression is differentially regulated in acute anti-Thy1.1 glomerulonephritis." in: **American journal of physiology. Renal physiology**, Vol. 294, Issue 5, pp. F1174-84, (2008) ([PubMed](#)).



Immunocytochemistry

Image 1. Immunocytochemistry staining of acetone/methanol fixed bovine peripheral blood (thrombocyte-enriched suspension) using anti-bovine CD41/CD61 (IVA30), secondary antibody conjugated to FITC (green signal at thrombocytes), DNA stained with DAPI (blue signal).