

Datasheet for ABIN2657821

anti-CD51/CD61 antibody (Alexa Fluor 647)



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Overview

Quantity:	100 tests
Target:	CD51/CD61 (ITGAV/ITGB3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51/CD61 antibody is conjugated to Alexa Fluor 647
Application:	Immunoprecipitation (IP), Western Blotting (WB), ELISA (Capture), Neutralization (Neut)

Product Details

Clone:	23C6
Isotype:	IgG1 kappa
Cross-Reactivity:	Rabbit, Chicken
Purification:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

Target Details

Target:	CD51/CD61 (ITGAV/ITGB3)
Alternative Name:	CD51/61 (ITGAV/ITGB3 Products)
Background:	CD51/CD61 is an integrin complex known as $\alpha V\beta 3$. It is expressed at high levels on osteoclasts, endothelial cells, and melanoma cells and at low levels on platelets and macrophages. CD51 is a heterodimer composed of disulfide-linked 125 kD and 24 kD proteins. CD61 is also a member

Target Details

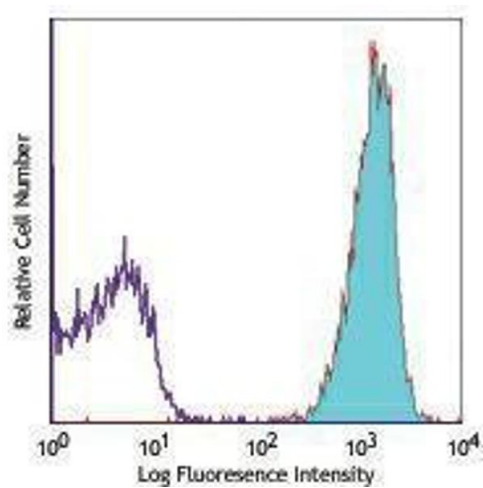
of the integrin family known as gpIIb or $\beta 3$ integrin. It is a 110 kD common β subunit of CD51/CD61 or CD41/CD61 complex. CD51/CD61, also known as the vitronectin receptor, mediates the binding of platelets to immobilized vitronectin without prior activation. Other ligands include RGD-containing proteins such as fibrinogen, fibronectin, von Willebrand factor (vWf), laminin, thrombospondin and the neural adhesion molecule L1. CD51/CD61 also mediates cell-cell adhesion via interaction with CD31. CD51/CD61 acts as an activation-independent receptor for platelet attachment and spreading on vitronectin and other RGD-containing proteins, including matrix components. The 23C6 antibody has been reported to be useful for blocking studies.

Application Details

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

Handling

Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .
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:	Protect from prolonged exposure to light. Do not freeze.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C



Flow Cytometry

Image 1.