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# Datasheet for ABIN7013947 anti-CD51/CD61 antibody

Image



### Overview

Quantity:	0.1 mg
Target:	CD51/CD61 (ITGAV/ITGB3)
Reactivity:	Human, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51/CD61 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	A cell suspension containing osteoclasts from osteoclastomas
Clone:	23C6
Isotype:	lgG1
Specificity:	The mouse monoclonal antibody 23C6 recognizes an extracellular epitope on CD51/CD61 complex, that is expressed mainly on human osteoclasts, but also e.g. on placenta, or melanoma cell lines. The epitope is native and sensitive to fixation. In chicken this antibody can be used to selectively identify the thrombocytes.
No Cross-Reactivity:	Cow, Pig, Rabbit
Purification:	Purified by protein-A affinity chromatography.

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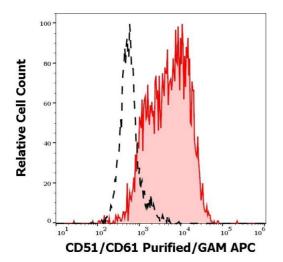
Target Details
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Target:	CD51/CD61 (ITGAV/ITGB3)
Alternative Name:	CD51/CD61 (ITGAV/ITGB3 Products)
Background:	CD51/CD61 (integrin alpha5beta3), also known as osteoclast functional antigen, serves as a
	vitronectin receptor, and binds also to fibronectin, fibrinogen, thrombospondin, osteopontin,
	collagen, and von Willebrand factor. Expression of this antigen increases with melanoma
	progression. In healthy individuals CD51/CD61 is expressed mainly on osteoclasts, placenta,
	and endothelial cells, at lower levels on platelets and macrophages.,VNRA, MSK8, ITGB3,
	ITGAV, Integrin alpha5beta3, OFA, VR

## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-6 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.

Images



#### **Flow Cytometry**

**Image 1.** Separation of MCF-7 cells stained using anti-CD51/CD61 (23c3) purified antibody (concentration in sample 1,7  $\mu$ g/mL, GAM APC, red-filled) from MCF-7 cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).

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