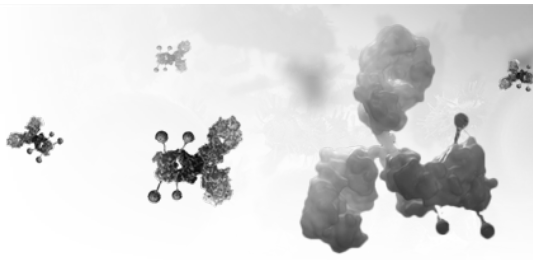

Anti-ITGB3 monoclonal antibody, clone HM beta 3.1 [R-PE] (CABT-48216HM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Hamster anti Mouse CD61 antibody, clone HM beta 3-1 recognizes the murine integrin beta 3 subunit (CD61), a 90kDa a type I membrane protein, which is expressed primarily on megakaryocytes, platelets, monocytes, macrophages, granulocytes and endothelial cells. CD61 associates with either the alpha IIb integrin (CD41) or the alpha V integrin (CD51) to form the platelet glycoprotein complex IIb/IIIa and the vitronectin receptor (VNR) respectively. The heterodimers formed with CD61 are receptor for a variety of ligands including fibrinogen, fibronectin, von Willebrands factor (vWF), vitronectin and thrombospondin. Hamster anti Mouse CD61 antibody, clone HM beta 3-1 is reported to partially inhibit the binding of CD61 to fibronectin. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Specificity	ITGB3
Immunogen	Mouse alpha 5 beta 3 protein purified from the mouse hybridoma 2B4
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse, Rat
Clone	HM beta 3.1
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

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Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE This product should be stored undiluted. This product is photosensitive and should be protected from light.

GENE INFORMATION

Gene Name	Itgb3 integrin beta 3 [Mus musculus (house mouse)]
Official Symbol	ITGB3
Synonyms	ITGB3; integrin beta 3; CD61; GP3A; INGRB3; integrin beta-3; GPIIIa; platelet gpIIIa; platelet membrane glycoprotein IIIa;
Entrez Gene ID	16416
Protein Refseq	NP_058060
UniProt ID	O54890
Chromosome Location	11 E1; 11 67.84 cM
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; Developmental Biology; Dilated cardiomyopathy; ECM proteoglycans; ECM-receptor interaction; Elastic fibre formation; Extracellular matrix organization;
Function	cell adhesion molecule binding; extracellular matrix binding; contributes_to fibrinogen binding; fibronectin binding; identical protein binding; integrin binding; peptide binding; protease binding; protein binding; protein disulfide isomerase activity; receptor activity; vascular endothelial growth factor receptor 2 binding;

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