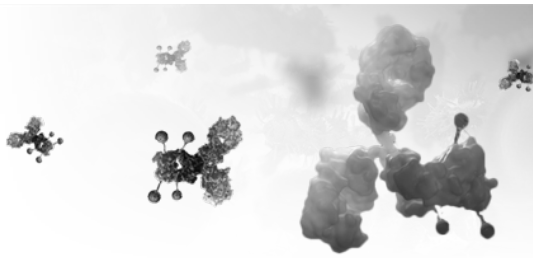

Anti-ITGB3 monoclonal antibody, clone HM beta 3.1 (CABT-48211HM)

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.
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	Unconjugated
Applications	FC; FA; IP
Format	Purified IgG - liquid
Size	500 µg

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Preservative	None
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

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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