CD61 / Integrin-Beta-3 / Platelet Glycoprotein Illa Monoclonal Mouse Antibody (ITGB3/1713)

Product Description

This antibody reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the alpha-V-chain (CD51) to form vitronectin receptor, or with the alpha-IIb-chain (CD41) to form the GpIIb/GpIIIa complex (CD41/CD61). The CD41/CD61 complex appears early in megakaryocyte maturation. The activated CD41/CD61 complex is a receptor for von Willebrand factor, soluble fibrinogen, fibronectin, vitronectin and thrombospondin. It plays a central role in platelet activation and aggregation. The CD51/CD61 is implicated in tumor metastasis and adenoviral infection. The antibody detects platelets in smears of blood and bone marrow, as well as megakaryocytes in frozen sections and cell smears. The antibody is useful for classification of megakaryoblastic leukemia.

Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Stock status: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order.

Catalog number key for antibody number 1713, Anti-CD61 (ITGB3/1713)

Product attributes

Antibody number #1713 Antibody reactivity (target) Antibody type Primary Host species Mouse Clonality Monoclonal Clone ITGB3/1713 Isotype IgG1, kappa Molecular weight 105 kDa & 90 kDa Synonyms BDPLT2; GP3A; GPIlla; GT; HPA 1; HPA 4; Integrin beta-3; ITGB3; NAIT; Platelet fibrinogen receptor beta subunit; Platelet glycoprotein Illa; PTP Human gene symbol ITGB3 Entrez gene ID 3690 SwissProt P05106 Unigene 218040 Immunogen Antibody target cellular localization Verified antibody applications Species reactivity Human Antibody application notes Higher concentration may be required for direct detection using primary antibody, Flow cytometry: 0.5-1 ug/million cells in 0.1mL, Immunofluorescence: 0.5-1 ug/million cells in	Product attributes			
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Host species Mouse	Antibody reactivity (target)	CD61, Integrin-Beta-3, Platelet-Glycoprotein-Illa		
Clone ITGB3/1713 Isotype IgG1, kappa Molecular weight 105 kDa & 90 kDa Synonyms BDPLT2; GP3A; GPIlla; GT; HPA 1; HPA 4; Integrin beta-3; ITGB3; NAIT; Platelet fibrinogen receptor beta subunit; Platelet glycoprotein Illa; PTP Human gene symbol ITGB3 Entrez gene ID 3690 SwissProt P05106 Unigene 218040 Immunogen Recombinant human ITGB3 protein Antibody target cellular localization Verified antibody application notes HUC (FFPE) (verified) Plasma membrane Plasma membrane Froduction in	Antibody type	Primary		
Isotype IgG1, kappa	Host species	Mouse		
Isotype IgG1, kappa	Clonality	Monoclonal		
Molecular weight 105 kDa & 90 kDa	Clone	ITGB3/1713		
BDPLT2; GP3A; GPIlla; GT; HPA 1; HPA 4; Integrin beta-3; ITGB3; NAIT; Platelet fibrinogen receptor beta subunit; Platelet glycoprotein Illa; PTP	Isotype	IgG1, kappa		
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Product origin Product may contain either bovine serum albumin (BSA) from bovine serum (Bos taurus), or recombinant BSA produced in	Cell/tissue expression	Platelets, Megakaryocytes		
bovine serum (Bos taurus), or recombinant BSA produced in	Antibody research areas	Cell adhesion		
	Product origin	bovine serum (Bos taurus), or recombinant BSA produced in		

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Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNC74	CF®740	742/767	633-685	775/50	CF®740 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified, BSA-free	N/A	N/A	N/A	

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