

ITGB1 Monoclonal Antibody (4B7R)

Catalog Number:MA5-13658

Product Data Sheet

Details		Species Reactivity	
Size	500 µL	Tested species reactivity	Human, Porcine
Host / Isotype	Mouse / IgG1, kappa	Published Species Reactivity	Human, Mouse
Class	Monoclonal	Tested Applications	
Type	Antibody	Immunofluorescence (IF)	Assay Dependent
Clone	4B7R	Immunohistochemistry (Frozen) (IHC (F))	Assay Dependent
Immunogen	Human melanoma V+B2 cell line	Flow Cytometry (Flow)	3-5 µg/10 ⁶ cells
Form	Liquid	Published Applications	
Concentration	0.2mg/ml	Flow Cytometry (Flow)	See 4 publications below
Purification	Protein G	Immunocytochemistry (ICC)	See 2 publications below
Storage Buffer	PBS, pH 7.4, with 0.2% BSA	Immunohistochemistry (IHC)	See 3 publications below
Contains	0.09% sodium azide	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	4° C		

Product Specific Information

MA5-13658 targets CD29 in FACS, IF, and IHC (F) applications and shows reactivity with Human and Porcine samples.

The MA5-13658 immunogen is human melanoma V+B2 cell line.

Background/Target Information

CD29 (integrin Beta-1 / gpIIa) is a cell adhesion molecule appearing on platelets, as the common Beta subunit of the very late activation antigen (VLA), and as a component of various protein complexes binding to extracellular matrix proteins. The CD29 is expressed at the cell surface exclusively as part of a heterodimer, in association with one of at least nine different integrin alpha subunits (alpha, alpha, alpha, alpha, alpha, alpha, alpha, alpha, and alphav). With the exception of red blood cells and possible weak expression on granulocytes, CD29 is expressed on nearly all cell and tissue types.

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