

# Mouse Integrin β1/CD29 Antibody

Monoclonal Rat IgG<sub>2A</sub> Clone # 265917 Catalog Number: MAB2405

DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse Integrin β1/CD29 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human Integrin β1, recombinant mouse (rm) Integrin β2, rmIntegrin β3, rmIntegrin β4, or rmIntegrin β6 is observed.		
Source	Monoclonal Rat IgG <sub>2A</sub> Clone # 265917		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin β1/CD29 Gln21-Asp728 Accession # P09055		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

# **APPLICATIONS**

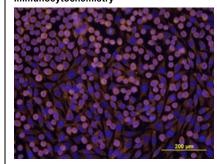
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample	
Western Blot	1 μg/mL	Recombinant Mouse Integrin β1/CD29 under non-reducing conditions only	
Flow Cytometry	0.25 μg/10 <sup>6</sup> cells	See Below	
Immunocytochemistry	8-25 μg/mL	See Below	
Immunohistochemistry	8-25 μg/mL	Perfusion fixed frozen sections of mouse spinal cord	
CyTOF-ready	Ready to be labeled with conjugation.	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

# Flow Cytometry So June 100 Ju

Detection of Integrin β1/CD29 in B16-F1 Mouse Cell Line by Flow Cytometry. B16-F1 mouse melanoma cell line was stained with Rat Anti-Mouse Integrin β1/CD29 Monoclonal Antibody (Catalog # MAB2405, filled histogram) or isotype control antibody (Catalog # MAB006, open histogram), followed by Phycoerythrin-conjugated Anti-Rat IgG Secondary Antibody (Catalog # F0105B).

# Immunocytochemistry



Integrin β1/CD29 in L-929 Mouse Cell Line. Integrin β1/CD29 was detected in immersion fixed L-929 mouse fibroblast cell line using Rat Anti-Mouse Integrin β1/CD29 Monoclonal Antibody (Catalog # MAB2405) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557conjugated Anti-Rat IgG Secondary Antibody (yellow: Catalog # NL013) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

### PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

# BACKGROUND

The Integrin β1 subunit, also known as CD29, associates with multiple distinct Integrin α subunits. The Integrin β1 subunit has a broad tissue distribution with the exception of erythrocytes.

Rev. 2/7/2018 Page 1 of 1

