

Mouse Integrin α2/CD49b Antibody

Monoclonal Rat IgG_{2B} Clone # 235033 Catalog Number: MAB1740

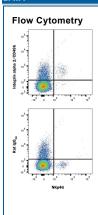
DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse Integrin α 2/CD49b in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse Integrin α 3, α 4, α 5, α E, or α V is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 235033
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Integrin α2/CD49b Tyr27-Thr1129 Accession # Q62469
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

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
Flow Cytometry	0.25 μg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



Detection of Integrin alpha 2/CD49b in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with (A) Rat Anti-Mouse Integrin a2/CD49b Monoclonal Antibody (Catalog # MAB1740) or (B) Rat IgG2B isotype control antibody (Catalog # MAB006), followed by APC-conjugated Anti-Rat IgG Secondary Antibody (Catalog # F0113) and Rat anti-Mouse NKp46 PE-conjugated Monoclonal Antibody (Catalog # FAB22252P). Staining was performed using our Staining Membrane-associated Proteins

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.	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
	 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 α2 subunit, also known as CD49b and VLA-2 α subunit, forms a heterodimer with the Integrin α1 (CD29) or α4 (CD104) subunits and binds Laminin.

