

Datasheet for ABIN7278105
anti-ITGA2 antibody (Biotin)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ITGA2
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This ITGA2 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Clone:	HMa2
Isotype:	IgG
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	ITGA2
Alternative Name:	CD49b (ITGA2 Products)
Background:	The HMa2 antibody reacts with mouse CD49b, a 150 kDa glycoprotein member of the integrin family. CD49b, also known as integrin alpha2, associates non-covalently with CD29 (integrin

Target Details

beta1) to form the VLA-2 heterodimer. VLA-2 integrins function as cellular receptors for collagen and laminin. CD49b is expressed by platelets, intestinal epithelial cells, NK cells, epithelial cells, and a subset of CD4+ T cells. CD49b plays an essential role in mediating the adhesion of cells to the extracellular matrix.

Gene ID: 16398

UniProt: [Q62469](#)

Pathways: [CXCR4-mediated Signaling Events](#), [Smooth Muscle Cell Migration](#), [Integrin Complex](#)

Application Details

Application Notes: This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

Comment: 0.5 mg/mL

Restrictions: For Research Use only

Handling

Buffer: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09 % Sodium azide, pH 7.2

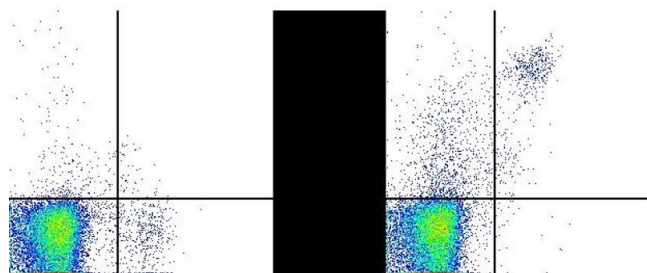
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C protected from light

Expiry Date: 12 months



Flow Cytometry

Image 1. C57Bl/6 splenocytes were stained with APC Anti-Mouse NK1.1 (CD161) (ABIN6961341) and 0.03 µg Biotin Anti-Mouse CD49b (ABIN6961341) (right panel) or 0.03 µg Biotin Armenian Hamster IgG isotype control (left panel) followed by Streptavidin PE.