

Datasheet for ABIN2661100  
**anti-ITGA4 antibody (Biotin)**



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1 Image

## Overview

|              |  |
|--------------|--|
| Quantity:    | 50 µg  |
| Target:      | ITGA4  |
| Reactivity:  | Mouse  |
| Host:        | Rat  |
| Clonality:   | Monoclonal   |
| Conjugate:   | This ITGA4 antibody is conjugated to Biotin                                |
| Application: | Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

|               |   |
|---------------|---|
| Clone:        | R1-2  |
| Isotype:      | IgG2b kappa   |
| Purification: | The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin. |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | ITGA4   |
| Alternative Name: | CD49d ( <a href="#">ITGA4 Products</a> )  |
| Background:       | CD49d is a 150 kD glycoprotein, also known as $\alpha 4$ integrin or VLA-4 $\alpha$ chain. It is a member of the integrin family, expressed on T and B cells, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. CD49d is a heterodimer expressed with either of two $\beta$ chains, $\beta 1$ (CD29) or $\beta 7$ , to form the VLA-4 (integrin $\alpha 4\beta 1$ ) or LPAM-1 (integrin $\alpha 4\beta 7$ ) |

## Target Details

complexes. CD49d plays a critical role in adhesion and T cell costimulation. The primary ligands for CD49d are VCAM-1, MAdCAM-1, and fibronectin.

Pathways: [Integrin Complex](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

Preservative: Sodium azide

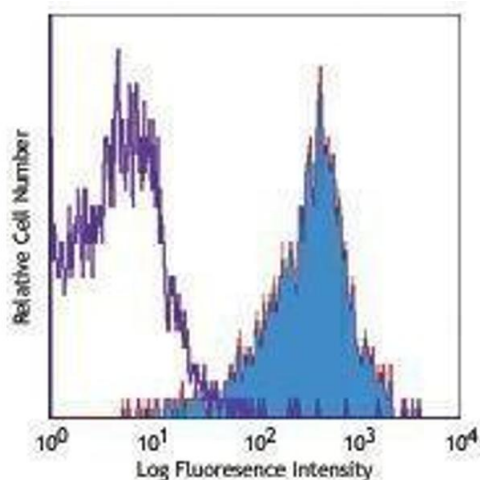
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Do not freeze.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.

## Images



### Flow Cytometry

Image 1.