

Datasheet for ABIN7013949

**anti-ITGA5 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	ITGA5
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Functional Studies (Func)

## Product Details

Immunogen:	C57BL/6 x A/J)F1 murine mast cell line
Clone:	5H10-27 (MFR5)
Isotype:	IgG2a kappa
Specificity:	The rat monoclonal antibody 5H10-27 (MFR5) recognizes an extracellular epitope of murine CD49e, a 135 kDa protein serving as VLA-5 alpha chain, expressed on thymocytes, activated T cells, splenic B cells, and mast cells.
Purification:	Purified by protein-G affinity chromatography.

## Target Details

Target:	ITGA5
Alternative Name:	CD49e ( <a href="#">ITGA5 Products</a> )

## Target Details

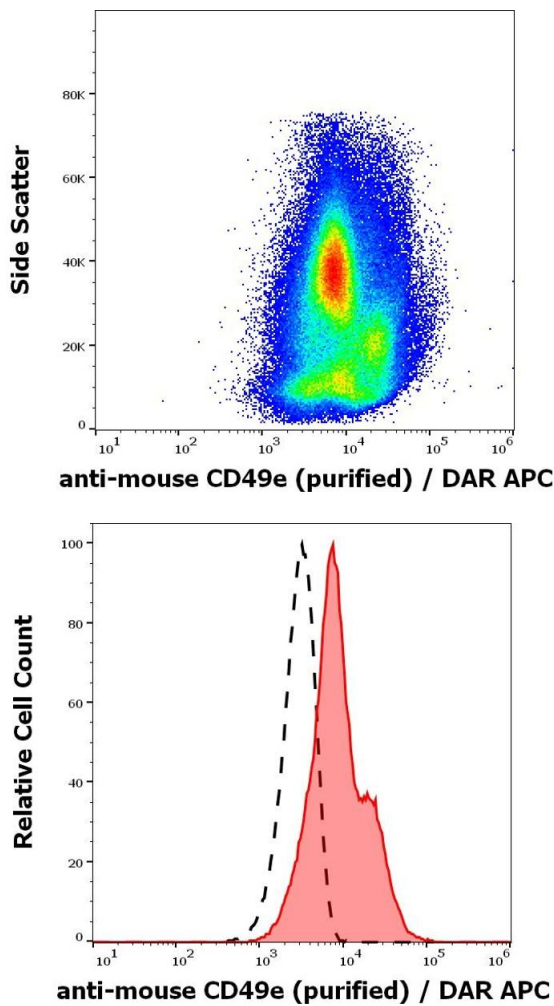
Background:	Integrin alpha 5,CD49e, the alpha 5 integrin, noncovalently associates with the beta 1 integrin (CD29) to form VLA-5 integrin complex. CD49e itself is composed of two disulfide-linked chains of 135 kDa and 25 kDa. VLA-5 binds to RGD sequence of fibronectin, and to neural adhesion molecule L1. It is important in maintaining the integrity of endothelial monolayers, in monocyte migration into the extracellular tissues, and it also provides a co-stimulatory signal to T cells and enhances receptor and complement receptor-mediated phagocytosis.,ITGA5, VLA-5 alpha, FNRA
Gene ID:	16402
UniProt:	<a href="#">P11688</a>
Pathways:	<a href="#">Integrin Complex</a>

## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL. Functional application: Blocking
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of murine bone marrow using anti-mouse CD49e (5H10-27(MFR5)) purified antibody (concentration in sample 0.56 µg/mL, DAR APC).

### Flow Cytometry

**Image 2.** Separation of murine bone marrow cells stained using anti-mouse CD49e (5H10-27(MFR5)) purified antibody (concentration in sample 0.56 µg/mL, DAR APC) from murine bone marrow cells unstained by primary antibody (DAR APC, black-dashed) in flow cytometry analysis (surface staining).