

For Research Use Only

# Integrin Alpha 4 Monoclonal antibody

Catalog Number: 67040-1-Ig 1 Publications



## Basic Information

<b>Catalog Number:</b> 67040-1-Ig	<b>GenBank Accession Number:</b> BC156712	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3676	<b>CloneNo.:</b> 1B6A3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P13612	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	
<b>Immunogen Catalog Number:</b> AG28024	<b>Calculated MW:</b> 1032 aa, 115 kDa	
	<b>Observed MW:</b> 130-150 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MOLT-4 cells, Raji cells, U-937 cells, NK-92 cells, THP-1 cells, Jurkat cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

## Background Information

ITGA4, also named as CD49D, belongs to the integrin alpha chain family. ITGA4 is a receptor for fibronectin, VCAM1 and MADCAM1. ITGA4 recognizes one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. It recognizes the sequence Q-I-D-S in VCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells ITGA4 triggers homotypic aggregation for most VLA-4-positive Leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tomofumi Yamamoto	34979567	Blood Adv	WB

## Storage

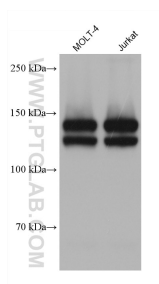
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67040-1-Ig (Integrin Alpha 4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.