

For Research Use Only

Integrin Alpha 4 Monoclonal antibody

Catalog Number: 67040-1-Ig **1 Publications**



Basic Information

Catalog Number:

67040-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28024

GenBank Accession Number:

BC156712

GeneID (NCBI):

3676

UNIPROT ID:

P13612

Full Name:

integrin, alpha 4 (antigen CD49D,
alpha 4 subunit of VLA-4 receptor)

Calculated MW:

1032 aa, 115 kDa

Observed MW:

130-150 kDa

Purification Method:

Protein A purification

CloneNo.:

1B6A3

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : MOLT-4 cells, Raji cells, U-937 cells, NK-92 cells,
THP-1 cells, Jurkat cells

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

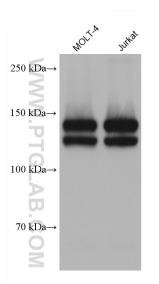
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.