

For Research Use Only

# Integrin alpha 4 Recombinant monoclonal antibody

Catalog Number: 87464-1-RR



## Basic Information

<b>Catalog Number:</b> 87464-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 16401	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>UNIPROT ID:</b> Q00651	<b>CloneNo.:</b> 252738G5
<b>Source:</b> Rabbit	<b>Full Name:</b> integrin alpha 4	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Observed MW:</b> 70 kDa, 140-150 kDa	
<b>Immunogen Catalog Number:</b> EG10472		

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, THP-1 cells, mouse spleen tissue, rat thymus tissue, rat spleen tissue
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

Integrin alpha 4 (ITGA4), also named 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.

## 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

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

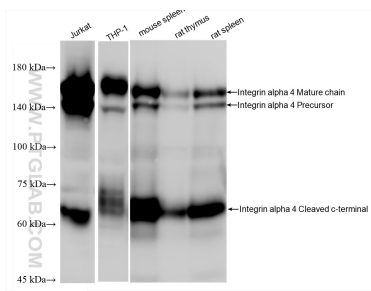
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

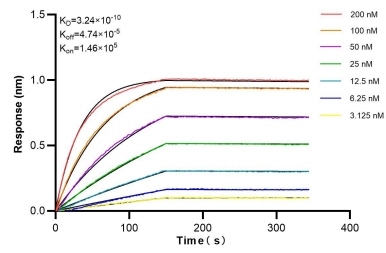
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 87464-1-RR (ITA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87464-1-RR against Mouse Integrin alpha 4 were performed. The affinity constant is 0.324 nM.