

For Research Use Only

# Mouse Integrin alpha 4 Recombinant monoclonal antibody, PBS Only

Catalog Number:87464-1-PBS



## Basic Information

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

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

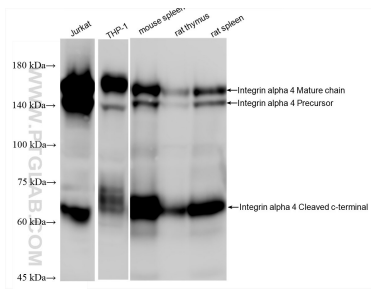
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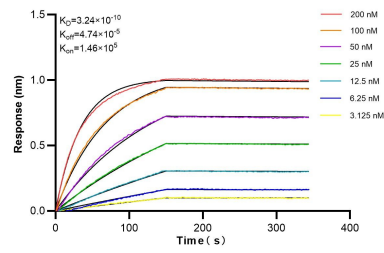
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## Selected Validation Data



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. This data was developed using the same antibody clone with 87464-1-PBS in a different storage buffer formulation.



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