

For Research Use Only

Mouse Integrin alpha 4 Recombinant monoclonal antibody, PBS Only

Catalog Number:87464-1-PBS



Basic Information

Catalog Number: 87464-1-PBS	GenBank Accession Number: GeneID (NCBI): 16401	Purification Method: Protein A purification
Source: Rabbit	UNIPROT ID: Q00651	CloneNo.: 252738G5
Isotype: IgG	Full Name: integrin alpha 4	
Immunogen Catalog Number: EG10472	Observed MW: 70 kDa, 140-150 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

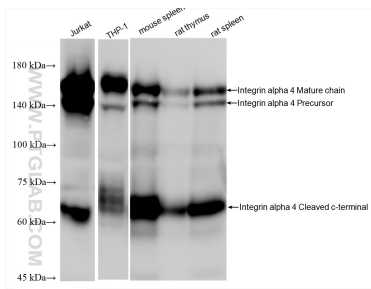
T: 4006900926

E: Proteintech-CN@ptglab.com

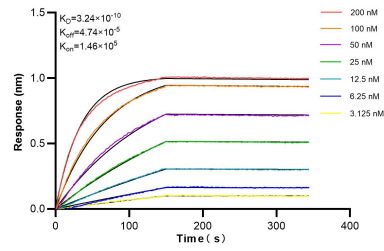
W: ptgcn.com

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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.