

For Research Use Only

Integrin alpha 4 Recombinant monoclonal antibody

Catalog Number:87464-1-RR



Basic Information

Catalog Number:

87464-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG10472

GenBank Accession Number:

GeneID (NCBI):

16401

UNIPROT ID:

Q00651

Full Name:

integrin alpha 4

Observed MW:

70 kDa, 140-150 kDa

Purification Method:

Protein A purification

CloneNo.:

252738G5

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, THP-1 cells, mouse spleen tissue, rat thymus tissue, rat spleen tissue

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

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

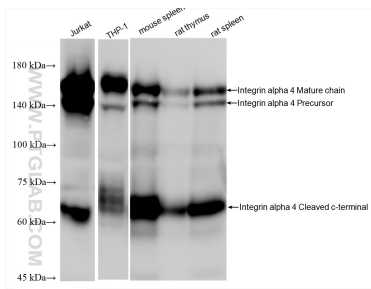
T: 4006900926

E: Proteintech-CN@ptglab.com

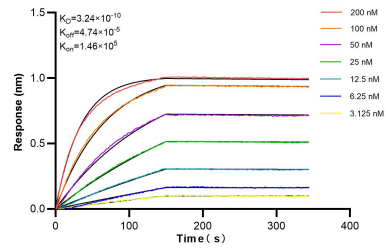
W: ptgcn.com

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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.



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