

For Research Use Only

# Integrin alpha 4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87459-2-PBS



## Basic Information

|                                                             |                                                                                           |                                                       |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87459-2-PBS                       | <b>GenBank Accession Number:</b><br>GeneID (NCBI):<br>3676                                | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>UNIPROT ID:</b><br>P13612                                                              | <b>CloneNo.:</b><br>252683A11                         |
| <b>Source:</b><br>Rabbit                                    | <b>Full Name:</b><br>integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Observed MW:</b><br>140-150 kDa                                                        |                                                       |
| <b>Immunogen Catalog Number:</b><br>EG10494                 |                                                                                           |                                                       |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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

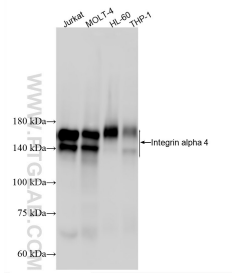
**Storage:**  
Store at -80°C.

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

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)  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87459-2-RR (Integrin alpha 4 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87459-2-PBS in a different storage buffer formulation.