

For Research Use Only

# CD18 Recombinant monoclonal antibody

Catalog Number: 87481-1-RR



## Basic Information

<b>Catalog Number:</b> 87481-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 16414	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11835	<b>CloneNo.:</b> 252753H7
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin beta 2	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Immunogen Catalog Number:</b> EG10459	<b>Observed MW:</b> 85-90 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A20 cells, rat thymus tissue
<b>Species Specificity:</b> mouse, rat	

## Background Information

CD18, also known as integrin beta-2, is a transmembrane protein that forms heterodimers with CD11a, CD11b, CD11c, CD11d (PMID: 1968349). CD11a/CD18 (LFA-1) is expressed by all leukocytes, while CD11b/CD18 (Mac-1) and CD11c/CD18 (p150,95) are normally restricted to expression on monocytes, macrophages, polymorphonuclear lymphocytes (PMNs), and natural killer cells (PMID: 1968349; 3109455; 10946284). CD18 plays an important role in mediating cell adhesion during immune response and defects of CD18 cause leukocyte adhesion deficiency (PMID: 3594570).

## 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:

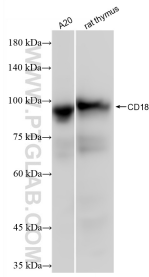
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

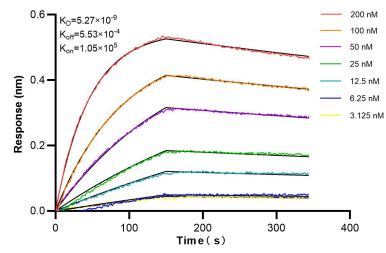
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87481-1-RR (ITB2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87481-1-RR against Mouse CD18 were performed. The affinity constant is 5.27 nM.