

For Research Use Only

# Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: 98049-1-RR



## Basic Information

|                                      |  |   |
|--------------------------------------|--|---|
| <b>Catalog Number:</b><br>98049-1-RR | <b>GenBank Accession Number:</b><br>NM_010493          | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug, 1000 ug/ml    | <b>GeneID (NCBI):</b><br>15894                         | <b>CloneNo.:</b><br>240249D10                         |
| <b>Source:</b><br>Rabbit             | <b>UNIPROT ID:</b><br>P13597                           |   |
| <b>Isotype:</b><br>IgG               | <b>Full Name:</b><br>intercellular adhesion molecule 1 |   |
|                                      | <b>Calculated MW:</b><br>59 kDa                        |   |

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- $\alpha$ , INF- $\gamma$ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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

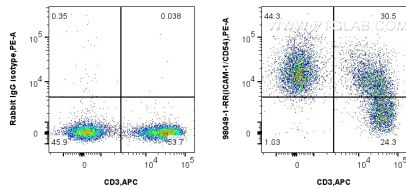
T: 4006900926

E: Proteintech-CN@ptglab.com

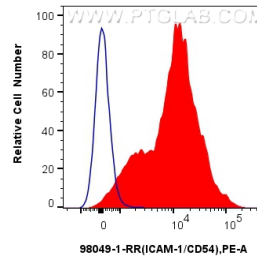
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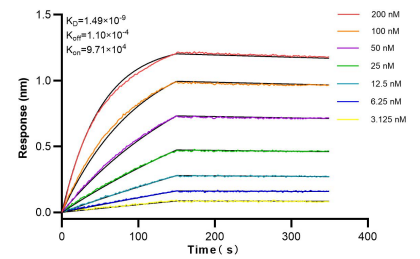
## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (98049-1-RR, Clone:240249D10) or 0.25 ug Isotype Control and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Mouse CD3. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (98049-1-RR, Clone:240249D10)(red) or 0.25 ug Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98049-1-RR against Mouse ICAM-1/CD54 were performed. The affinity constant is 1.49 nM.