

For Research Use Only

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

Catalog Number: 98011-4-RR



## Basic Information

**Catalog Number:**

98011-4-RR

**Size:**

100ug, 1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC015969

**GeneID (NCBI):**

3383

**ENSEMBL Gene ID:**

ENSG00000090339

**UNIPROT ID:**

P05362

**Full Name:**

intercellular adhesion molecule 1

**Calculated MW:**

90 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240646A11

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

## 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, pH 7.3.

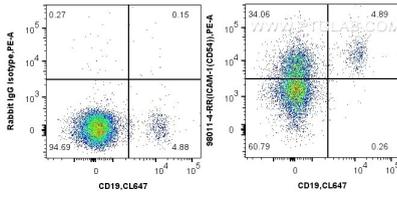
For technical support and original validation data for this product please contact:

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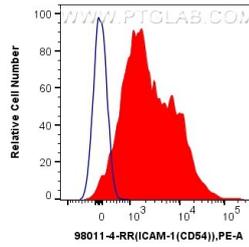
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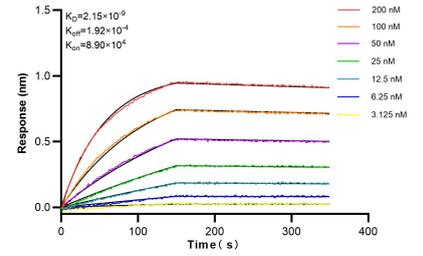
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human ICAM-1/CD54 Rabbit Recombinant Antibody (98011-4-RR, Clone: 240646A11) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human ICAM-1/CD54 Rabbit Recombinant Antibody (98011-4-RR, Clone:240646A11)(red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. Lymphocytes were gated.



Biolayer interferometry (BLI) kinetic assays of 98011-4-RR against Human ICAM-1/CD54 were performed. The affinity constant is 2.15 nM.