

For Research Use Only

# Anti-Human ICAM-1/CD54 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98011-4-PBS



## Basic Information

Catalog Number:

98011-4-PBS

Size:

1mg, 2 mg/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 -80°C.

Storage Buffer:

PBS Only

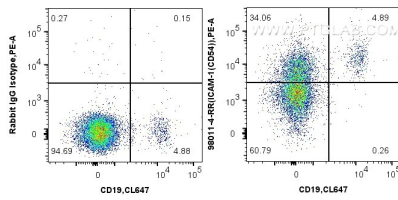
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

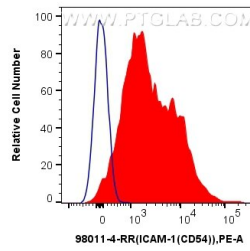
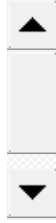
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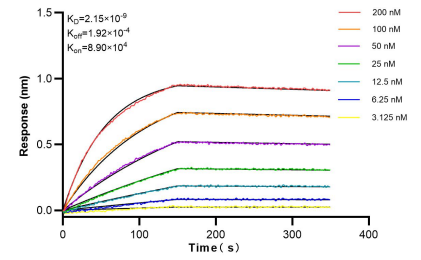
## Selected Validation Data



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. This data was developed using the same antibody clone with 98011-4-PBS in a



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. This data was developed using the same antibody clone with 98011-4-PBS in a different storage buffer formulation.



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