

For Research Use Only

# Anti-Human CD54 (15.2) Rabbit Recombinant Antibody, PBS only



Catalog Number: 65509-1-PBS

## Basic Information

<b>Catalog Number:</b> 65509-1-PBS	<b>GenBank Accession Number:</b> BC015969	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 1mg, 1 mg/ml	<b>GeneID (NCBI):</b> 3383	<b>CloneNo.:</b> 15.2
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000090339	
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 1	
	<b>Calculated MW:</b> 90 kDa	

## 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. Stable for one year after shipment.

**Storage Buffer:**  
PBS only

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

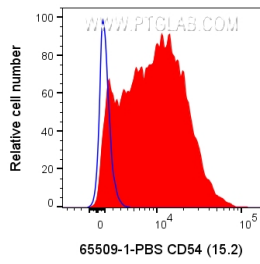
T: 4006900926

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

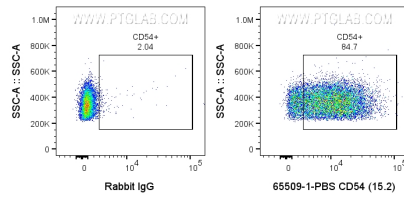
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.05 ug Anti-Human CD54 Rabbit Recombinant Antibody (65509-1-PBS, Clone:15.2) or Rabbit IgG control Rabbit PolyAb, and CoraLite®647-Conjugated AffiniPure Donkey Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Monocytes were gated.



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