

For Research Use Only

Anti-Human ICAM-1/CD54 Rabbit Recombinant Antibody



Catalog Number: 98011-4-RR

Basic Information

Catalog Number: 98011-4-RR	GenBank Accession Number: BC015969	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 3383	CloneNo.: 240646A11
Source: Rabbit	ENSEMBL Gene ID: ENSG00000090339	
Isotype: IgG	UNIPROT ID: P05362	
	Full Name: intercellular adhesion molecule 1	
	Calculated MW: 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- α , INF- γ , 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:

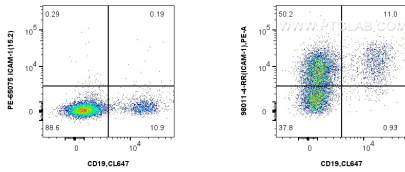
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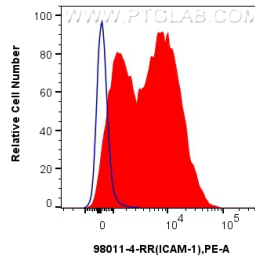
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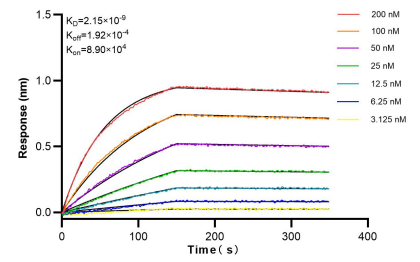
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ICAM-1 Rabbit Recombinant Antibody (98011-4-RR, Clone: 240646A11) or 0.25 ug Isotype Control, and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were co-stained with anti-human CD19. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ICAM-1 Rabbit Recombinant Antibody (98011-4-RR, Clone: 240646A11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (blue). Cells were not fixed.



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