

For Research Use Only

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

Catalog Number: 98049-1-PBS



Basic Information

Catalog Number: 98049-1-PBS	GenBank Accession Number: NM_010493	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 15894	CloneNo.: 240249D10
Source: Rabbit	UNIPROT ID: P13597	
Isotype: IgG	Full Name: intercellular adhesion molecule 1	
	Calculated MW: 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- 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

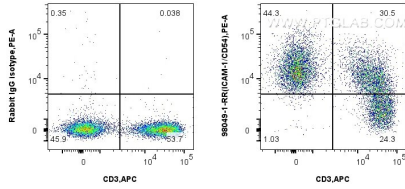
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

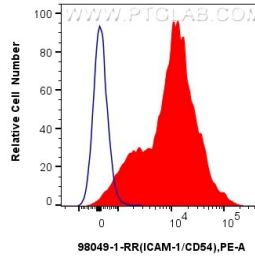
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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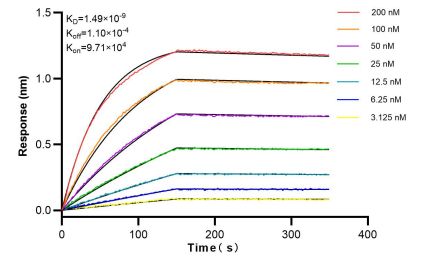
Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98049-1-PBS in a different storage buffer formulation.



1x10⁶ 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. This data was developed using the same antibody clone with 98049-1-PBS in a different storage buffer formulation.



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