

For Research Use Only

Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: 98049-1-RR



Basic Information

Catalog Number:

98049-1-RR

Size:

100ug, 1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010493

GeneID (NCBI):

15894

UNIPROT ID:

P13597

Full Name:

intercellular adhesion molecule 1

Calculated MW:

59 kDa

Purification Method:

Protein A purification

CloneNo.:

240249D10

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 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

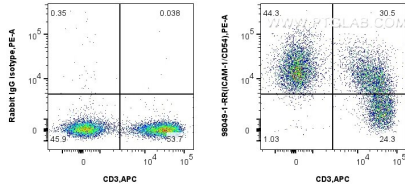
For technical support and original validation data for this product please contact:

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

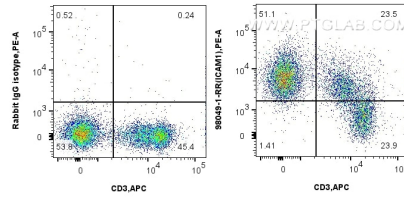
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

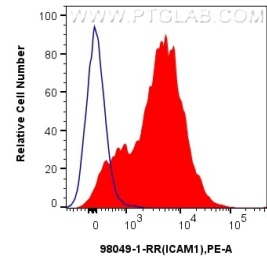
Selected Validation Data



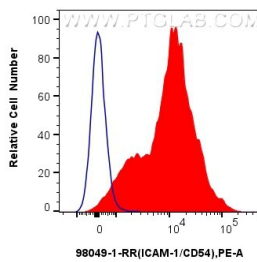
1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (98049-1-RR, Clone:240249D10) or 0.25 ug Isotype Control and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Mouse CD3. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



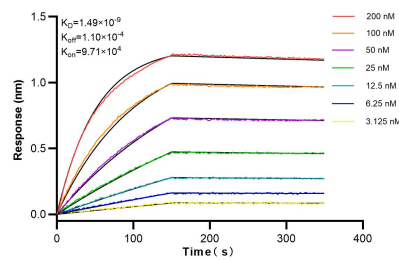
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1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (98049-1-RR, Clone: 240249D10) (red) or 0.25 ug Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



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.



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