

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody



Catalog Number: **CL488-98049**

## Basic Information

Catalog Number: CL488-98049	GenBank Accession Number: NM_010493	Purification Method: Protein A purification
Size: 100ug , 500 µg/ml	GeneID (NCBI): 15894	CloneNo.: 240249D10
Source: Rabbit	UNIPROT ID: P13597	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
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- $\alpha$ , 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 2-8°C. Avoid exposure to light.  
Storage Buffer:  
PBS with 0.09% sodium azide.

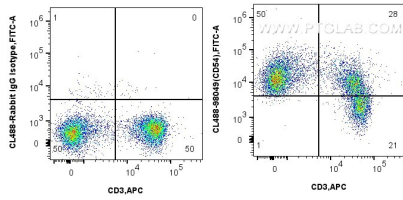
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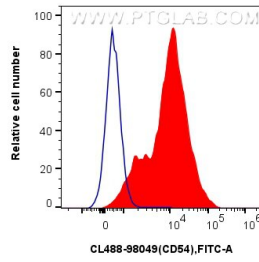
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with APC Anti-Mouse CD3 and 0.25 ug CoraLite® Plus 488 Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (CL488-98049, Clone: 240249D10), or Isotype Control. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (CL488-98049, Clone: 240249D10) (red), or Isotype Control (blue). Cells were not fixed.