

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: CL405-98049



## Basic Information

Catalog Number:

CL405-98049

Size:

100ug , 500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0482

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

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

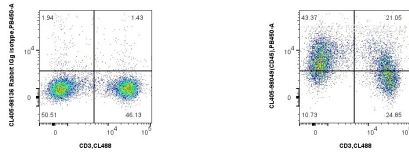
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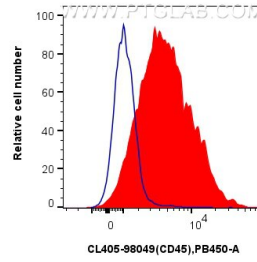
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3 (17A2) (CL488-65077, Clone: 17A2), and 0.25 ug CoraLite® Plus 405 Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (CL405-98049, Clone: 240249D10) or Isotype Control. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse ICAM-1/CD54 Rabbit Recombinant Antibody (CL405-98049, Clone:240249D10) (red) or Isotype Control (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.