

For Research Use Only

# APC Anti-Human ICAM-1/CD54 (15.2)

Catalog Number: APC-65075 **2 Publications**



## Basic Information

Catalog Number:

APC-65075

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC015969

GeneID (NCBI):

3383

ENSEMBL Gene ID:

ENSG00000090339

UNIPROT ID:

P05362

Full Name:

intercellular adhesion molecule 1

Calculated MW:

90 kDa

Purification Method:

Affinity purification

CloneNo.:

15.2

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenjing Li	34933092	Cell Signal	FC
Yao Zhang	37883686	Adv Healthc Mater	

## 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 and 0.5% BSA, pH7.3

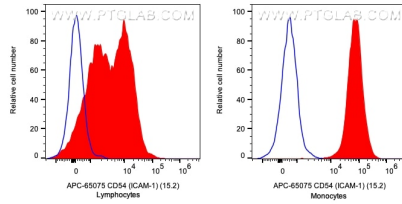
For technical support and original validation data for this product please contact:

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

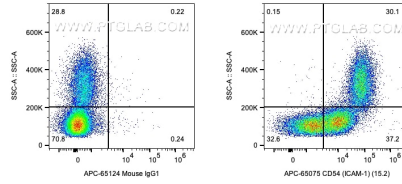
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul APC Anti-Human CD54 (ICAM-1) (APC-65075, Clone:15.2) (red) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21) (blue). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes and monocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul APC Anti-Human CD54 (ICAM-1) (APC-65075, Clone:15.2) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes and monocytes were gated.