

For Research Use Only

CoraLite®594 Anti-Human ICAM-1/CD54 (15.2)

Catalog Number:CL594-65075



Basic Information

Catalog Number:

CL594-65075

Size:

100tests, 5 ul/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

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC

Species Specificity:

human

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

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

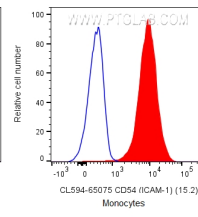
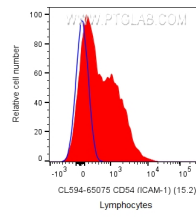
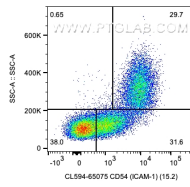
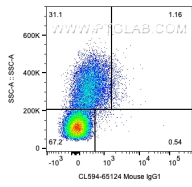
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human CD54 (ICAM-1) (CL594-65075, Clone:15.2) or CoraLite®594 Mouse IgG1 Isotype Control (CL594-65124, Clone: MOPC-21). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes and monocytes were gated.

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