

For Research Use Only

# FITC Anti-Mouse ICAM-1/CD54 (YN1/1.7.4)

Catalog Number: FITC-65066



## Basic Information

Catalog Number:

FITC-65066

Size:

500ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC008626

GeneID (NCBI):

15894

UNIPROT ID:

P13597

Full Name:

intercellular adhesion molecule 1

Purification Method:

Affinity purification

CloneNo.:

YN1/1.7.4

Recommended Dilutions:

FC: 1 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

498 nm / 526 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

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

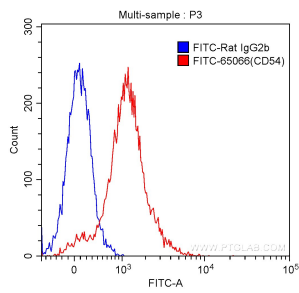
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 1.00 ug FITC Anti-Mouse CD54 (FITC-65066, Clone: YN1/1.7.4) (red) or 1.00 ug isotype control antibody (blue). Cells were not fixed.