

For Research Use Only

# FITC Plus Anti-Rat ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: FITC-98060



## Basic Information

<b>Catalog Number:</b> FITC-98060	<b>GenBank Accession Number:</b> NM_012967.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 25464	<b>CloneNo.:</b> 240725C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q00238	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 1	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Immunogen Catalog Number:</b> EG1025	<b>Calculated MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : rat splenocytes,
<b>Species Specificity:</b> rat	

## Background Information

ICAM-1 (CD54) is a 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:

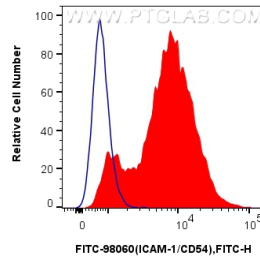
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



$1 \times 10^6$  rat splenocytes were surface stained with 0.25  $\mu$ g FITC Plus Anti-Rat ICAM-1/CD54 Rabbit RecAb (FITC-98060, Clone: 240725C2) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed.