

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD54 (YN1/1.7.4)



Catalog Number: **CL488-65066**

## Basic Information

<b>Catalog Number:</b> CL488-65066	<b>GenBank Accession Number:</b> BC008626	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 15894	<b>CloneNo.:</b> YN1/1.7.4
<b>Source:</b> Rat	<b>Full Name:</b> intercellular adhesion molecule 1	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Isotype:</b> IgG2b		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## 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

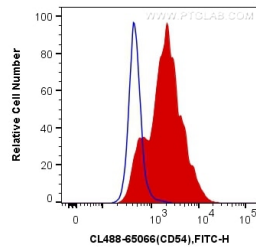
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 5 ul Coralite® Plus 488 Anti-Mouse CD54 (CL488-65066, Clone: YN1/1.7.4) (red) or isotype control (blue). Cells were not fixed.