

For Research Use Only

# Multi-rAb® ICAM-1/CD54 Multi-Recombinant antibody

Catalog Number: RMX00016



## Basic Information

<b>Catalog Number:</b> RMX00016	<b>GenBank Accession Number:</b> BC015969	<b>Purification Method:</b> N/A
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 3383	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:50-1:500 IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>ENSEMBL Gene ID:</b> ENSG00000090339	
	<b>UNIPROT ID:</b> P05362	
	<b>Full Name:</b> intercellular adhesion molecule 1	
	<b>Calculated MW:</b> 90 kDa	
	<b>Observed MW:</b> 85-95 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB: Raji cells, L02 cells, HUVEC cells IHC: human lung squamous cell carcinoma tissue, IF/ICC: Raji cells,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

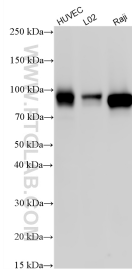
T: 4006900926

E: Proteintech-CN@ptglab.com

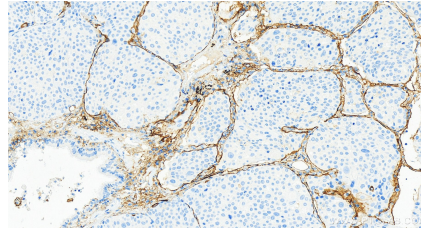
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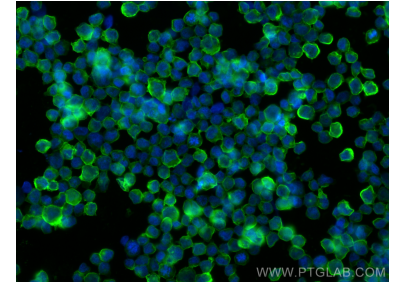
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00016 (ICAM-1/CD54 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma tissue slide using RMX00016 (ICAM-1/CD54 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using ICAM-1/CD54 antibody (RMX00016) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).