

For Research Use Only

# Icam-1 Polyclonal antibody

Catalog Number: 16174-1-AP **18 Publications**



## Basic Information

**Catalog Number:**

16174-1-AP

**Size:**

550 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_010493

**GeneID (NCBI):**

15894

**UNIPROT ID:**

P13597

**Full Name:**

intercellular adhesion molecule 1

**Calculated MW:**

59 kDa

**Observed MW:**

85-95 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:400-1:1600

IF 1:20-1:200

## Applications

**Tested Applications:**

WB, IP, IF/ICC, IHC, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

mouse, rat

**Cited Species:**

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : rat heart tissue,

IP : 4T1 cells,

IHC : mouse lung tissue,

IF : 4T1 cells,

## Background Information

ICAM-1 (Intercellular Adhesion Molecule-1, CD54), a member of Ig superfamily, is a glycosylated, transmembrane protein. This protein is involved in cell adhesion by interacting with a number of integrin family members such as LFA-1 and Mac-1. Its expression is regulated by chemokines. This protein migrates approximately 115 kDa on SDS gels. This antibody is specifically against mouse Icam-1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiajun Chen	36367498	Life Sci	WB,IHC
Junying Wei	34867309	Front Pharmacol	WB
Ya-Qun Zhou	32203087	Acta Pharmacol Sin	

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

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

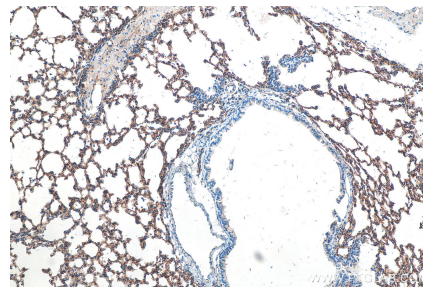
W: ptgcn.com

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

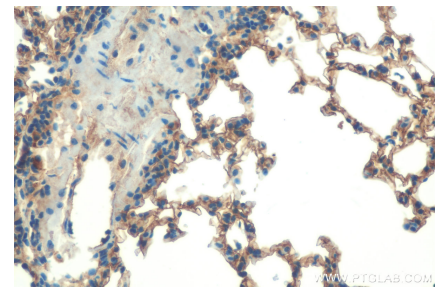
## Selected Validation Data



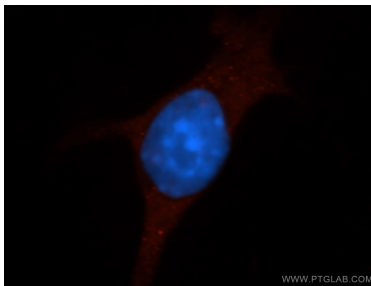
rat heart tissue were subjected to SDS PAGE followed by western blot with 16174-1-AP (Icam-1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



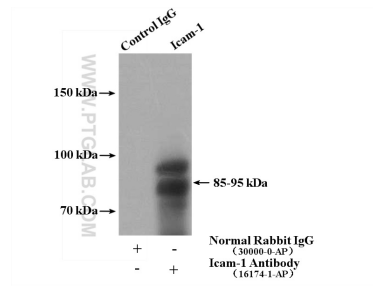
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 16174-1-AP (Icam-1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 16174-1-AP (Icam-1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis 4T1 cells using 16174-1-AP (Icam-1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



IP result of anti-Icam-1 (IP:16174-1-AP, 4ug; Detection:16174-1-AP 1:300) with 4T1 cells lysate 2800 ug.