

For Research Use Only

mouse Icam-1 Polyclonal antibody

Catalog Number: 16174-1-AP

18 Publications



Basic Information

Catalog Number:

16174-1-AP

Size:

150ul, Concentration: 550 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:400-1:1600

IF 1:20-1:200

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

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

*** 20ul sizes contain 0.1% BSA

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)

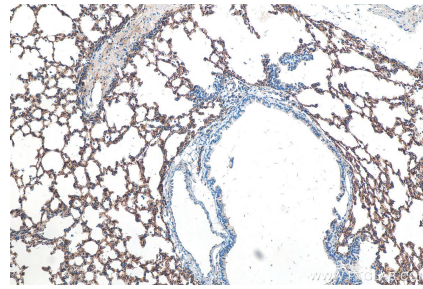
E: proteintech@ptglab.com
W: ptglab.com

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

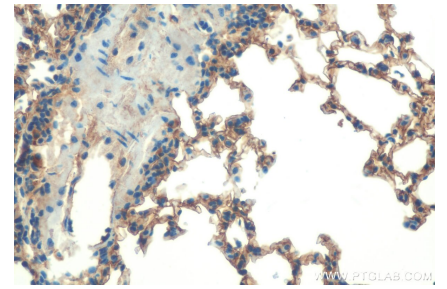
Selected Validation Data



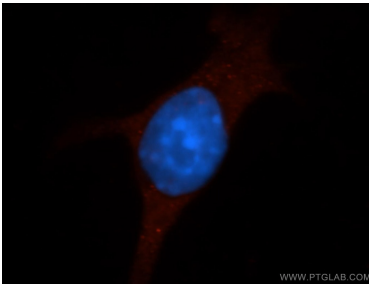
rat heart tissue were subjected to SDS PAGE followed by western blot with 16174-1-AP (Icam-1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



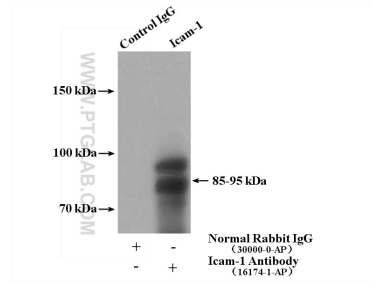
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 16174-1-AP (Icam-1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.