

# ICAM-1/CD54 Rabbit mAb

Catalog No.: A24648 **Recombinant**

## Basic Information

### Observed MW

82-100kDa

### Calculated MW

59kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC63597

## Background

This gene encodes an integral membrane protein that binds leukocyte adhesion protein LFA-1. It participates in the innate immune response.

## Recommended Dilutions

<b>WB</b>	1:2000 - 1:7000
<b>IHC-P</b>	1:500 - 1:1000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

15894

### Swiss Prot

P13597

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 28-485 of mouse ICAM-1/CD54(NP\_034623.1).

### Synonyms

CD54; Ly-47; Icam-1; MALA-2; ICAM-1/CD54

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

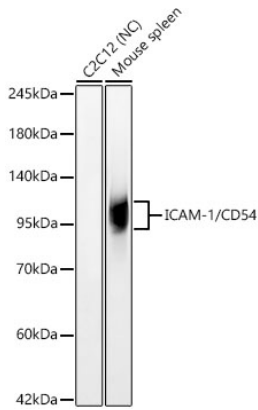
Affinity purification

### Storage

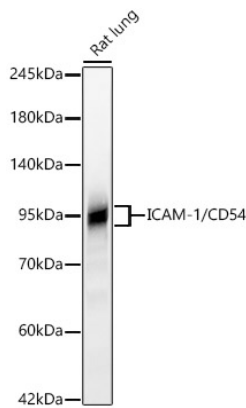
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

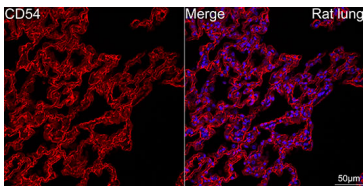
## Validation Data



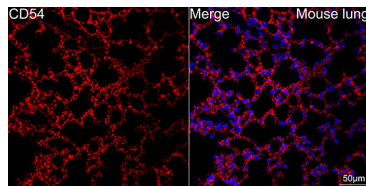
Western blot analysis of various lysates, using ICAM-1/CD54 Rabbit mAb (A24648) at 1:6000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25ug per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Negative control (NC):C2C12  
 Exposure time: 15s.



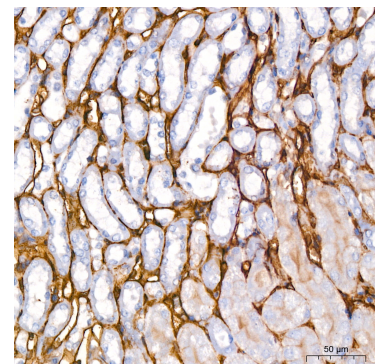
Western blot analysis of lysates from Rat lung, using ICAM-1/CD54 Rabbit mAb (A24648) at 1:6000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25ug per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 10s.



Confocal imaging of rat lung using ICAM-1/CD54 Rabbit mAb (A24648, at dilution of 1:200) (Red). DAPI was used for nuclear staining (blue). Objective: 100x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



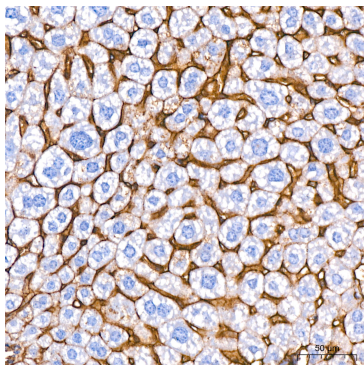
Confocal imaging of mouse lung using ICAM-1/CD54 Rabbit mAb (A24648, at dilution of 1:200) (Red). DAPI was used for nuclear staining (blue). Objective: 100x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



Immunohistochemistry analysis of ICAM-1/CD54 in paraffin-embedded mouse kidney using ICAM-1/CD54 Rabbit mAb (A24648) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

## Validation Data

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Immunohistochemistry analysis of ICAM-1/CD54 in paraffin-embedded mouse liver using ICAM-1/CD54 Rabbit mAb (A24648) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.