

ICAM-1/CD54 Rabbit mAb

Catalog No.: A24648 **Recombinant** **4 Publications**

Basic Information

Observed MW

80-110kDa

Calculated MW

59kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

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

WB 1:6000 - 1:36000

IF-P 1:200 - 1:800

IHC-P 1:1000 - 1:4000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

15894

Swiss Prot

P13597

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

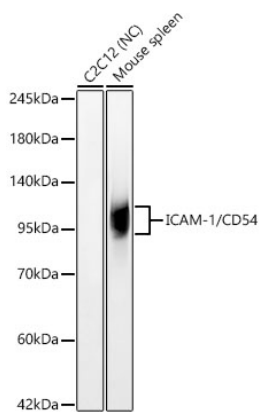
Affinity purification

Storage

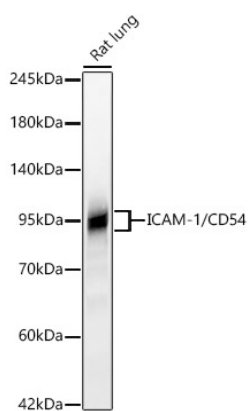
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

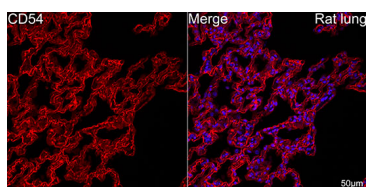
Validation Data



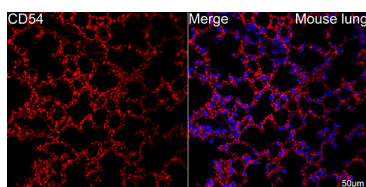
Western blot analysis of various lysates, using ICAM-1/CD54 Rabbit mAb (A24648) at 1:6000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).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



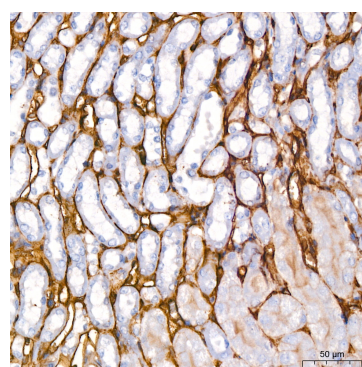
Western blot analysis of lysates from Rat lung, using ICAM-1/CD54 Rabbit mAb (A24648) at 1:6000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).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

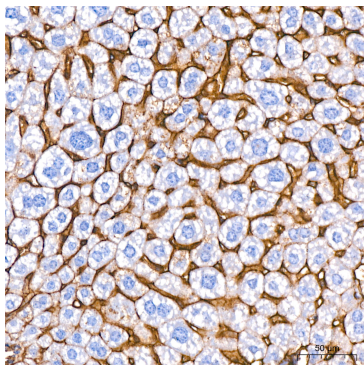


Confocal imaging of mouse lung using ICAM-1/CD54 Rabbit mAb (A24648, at dilution of 1:200) (Red). DAPI was used for nuclear staining (blue). Objective: 100x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using ICAM-1/CD54 Rabbit mAb (A24648) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse liver using ICAM-1/CD54 Rabbit mAb (A24648) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.