

ICAM-1/CD54 Rabbit mAb

Catalog No.: A24648 **Recombinant** **2 Publications**

Basic Information

Observed MW

82-100kDa

Calculated MW

59kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,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

IHC-P 1:1000 - 1:4000

IF/ICC 1:200 - 1:800

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 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

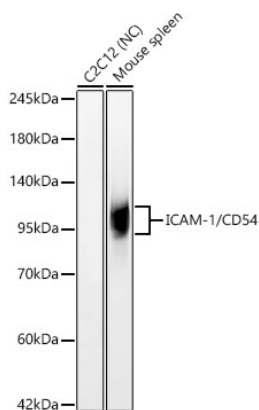
Affinity purification

Storage

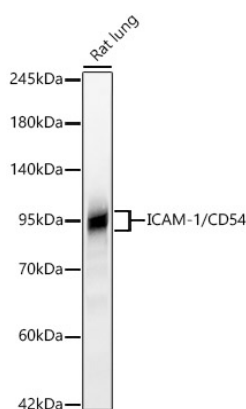
Store at -20°C. Avoid freeze / thaw cycles.

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

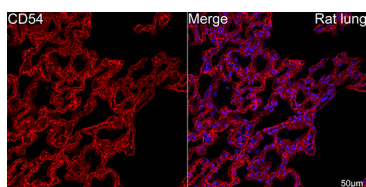
Validation Data



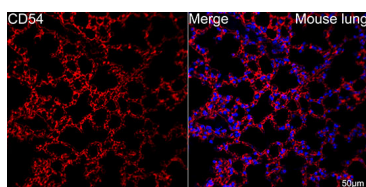
Western blot analysis of various lysates, using ICAM-1/CD54 Rabbit mAb (A24648) at 1:6000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).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



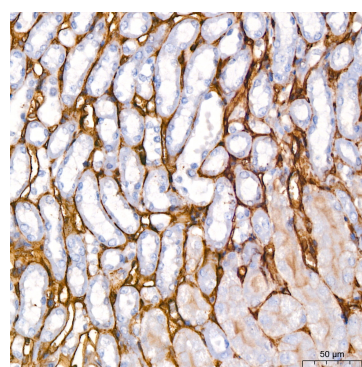
Western blot analysis of lysates from Rat lung, using ICAM-1/CD54 Rabbit mAb (A24648) at 1:6000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).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

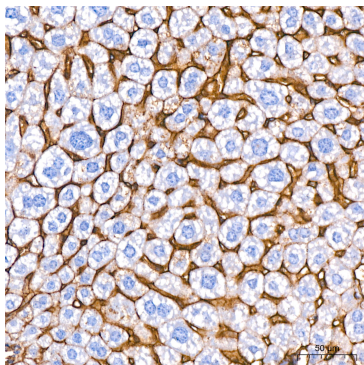


Confocal imaging of mouse lung using ICAM-1/CD54 Rabbit mAb (A24648, at dilution of 1:200) (Red). DAPI was used for nuclear staining (blue). Objective: 100x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



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 Bufferr (pH 6.0) prior to IHC staining.