

# ICAM-1/CD54 Rabbit mAb

Catalog No.: A19300

Recombinant

5 Publications

## Basic Information

### Observed MW

82-100kDa

### Calculated MW

58kDa

### Category

Primary antibody

### Applications

WB, IHC-P, FC, ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC0261

## Background

This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

**FC** 1:50 - 1:200

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

## Immunogen Information

### Gene ID

3383

### Swiss Prot

P05362

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

BB2; CD54; P3.58; MALA2; MyD10; ICAM-1/CD54

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

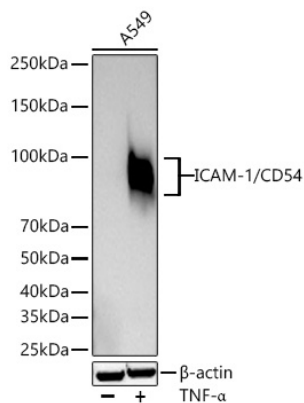
Affinity purification

### 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 lysates from A549 cells using ICAM-1/CD54 Rabbit mAb (A19300) at 1:1000 dilution incubated overnight at 4°C. A549 cells were treated with TNF- $\alpha$  (20 ng/mL) at 37°C for 30 minutes.

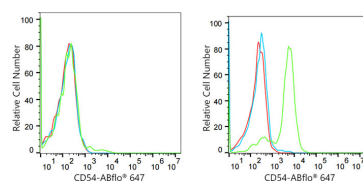
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25  $\mu$ g per lane.

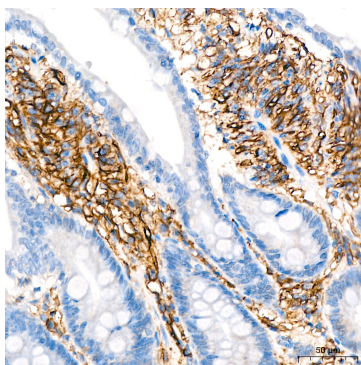
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

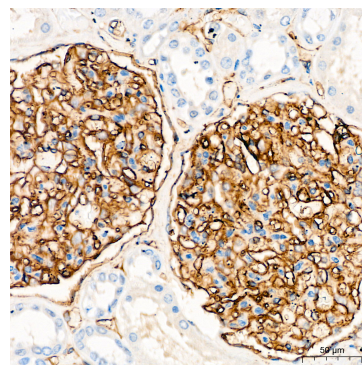
Exposure time: 45s.



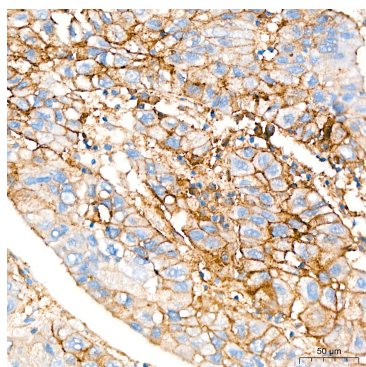
Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and Raji cells (right) were surface-stained with ICAM-1/CD54 Rabbit mAb (A19300, 10  $\mu$ g/mL, green line) or Rabbit IgG isotype control (AC042, 10  $\mu$ g/mL, blue line), followed by Alexa Fluor 647 conjugated goat anti-rabbit pAb (1:600 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



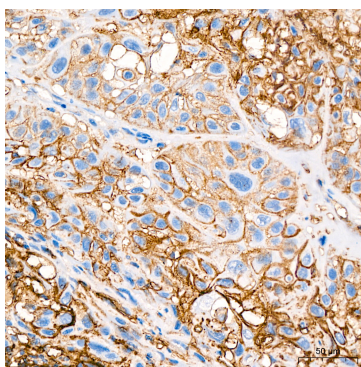
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



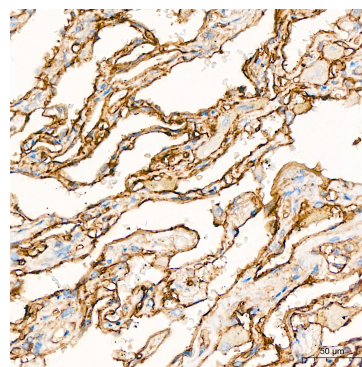
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

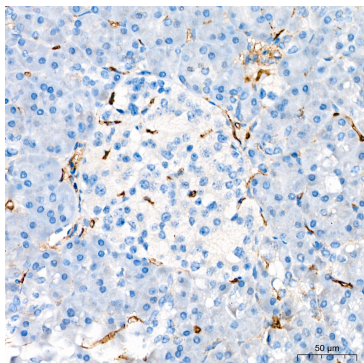


Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

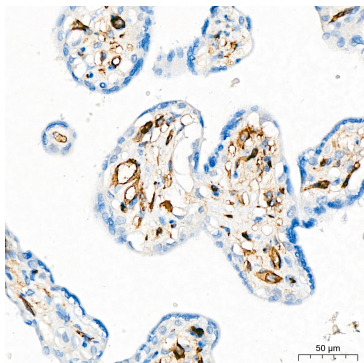


Immunohistochemistry analysis of paraffin-embedded Human lung tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

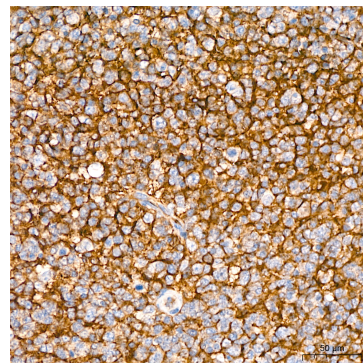
## Validation Data



Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using ICAM-1/CD54 Rabbit mAb (A19300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.