

# ICAM3/CD50 Rabbit mAb

Catalog No.: A25722 **Recombinant**

## Basic Information

**Observed MW**

140kDa

**Calculated MW**

60kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P,IF/ICC,FC

**Cross-Reactivity**

Human

## Background

The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>FC</b>	1:500 - 1:1000

## Immunogen Information

**Gene ID**

3385

**Swiss Prot**

P32942

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 30-114 of human ICAM3 (NP\_002153.2).

**Synonyms**

CD50; CDW50; ICAM-R

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

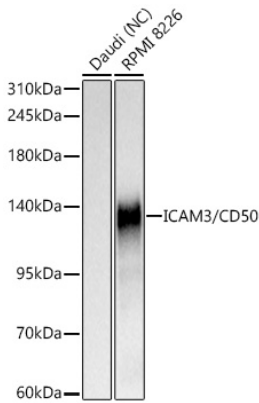
Affinity purification

**Storage**

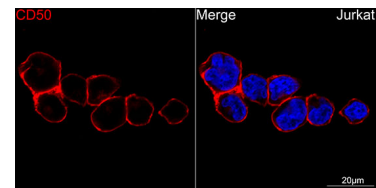
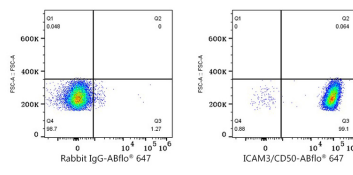
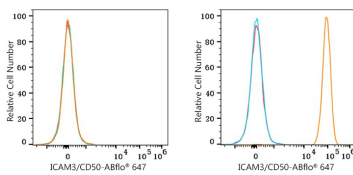
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



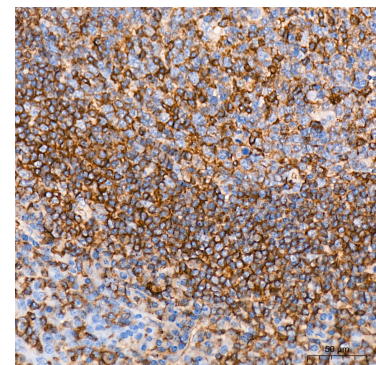
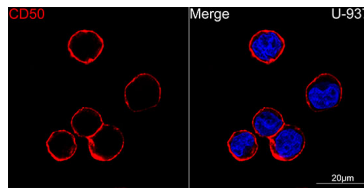
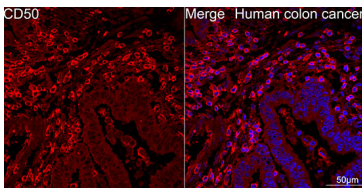
Western blot analysis of various lysates using ICAM3/CD50 Rabbit mAb (A25722) at 1:1600 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020)  
 Negative control (NC): Daudi  
 Exposure time: 1s.



Flow cytometry:  $1 \times 10^6$  Daudi cells (negative control, left) and U-937 cells (right) were surface-stained with ICAM3/CD50 Rabbit mAb (A25722, 2 µg/mL, orange line), or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  U-937 cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or ICAM3/CD50 Rabbit mAb (A25722, 2 µg/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.

Confocal imaging of Jurkat cells using ICAM3/CD50 Rabbit mAb (A25722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



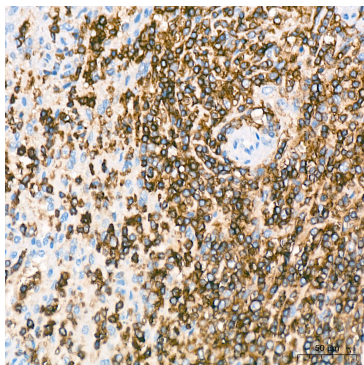
Confocal imaging of paraffin-embedded Human colon cancer tissue using ICAM3/CD50 Rabbit mAb (A25722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of U-937 cells using ICAM3/CD50 Rabbit mAb (A25722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Immunohistochemistry analysis of ICAM3/CD50 in paraffin-embedded Human tonsil tissue using ICAM3/CD50 Rabbit mAb (A25722) 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

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Immunohistochemistry analysis of ICAM3/CD50 in paraffin-embedded Human spleen tissue using ICAM3/CD50 Rabbit mAb (A25722) 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.