

ICAM3/CD50 Rabbit mAb

Catalog No.: A25722 **Recombinant**

Basic Information

Observed MW

140kDa

Calculated MW

60kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human

CloneNo number

ARC67042

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

WB	1:1000 - 1:5000
IF/ICC	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:200 - 1:2000
FC	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

3385

Swiss Prot

P32942

Immunogen

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

Synonyms

CD50; CDW50; ICAM-R

Product Information

Source

Rabbit

Isotype

IgG

Purification

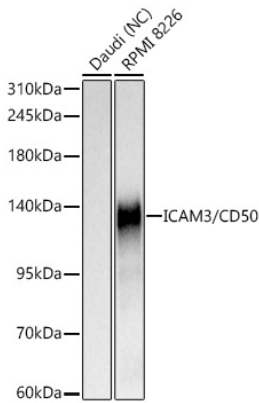
Affinity purification

Storage

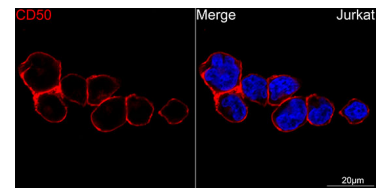
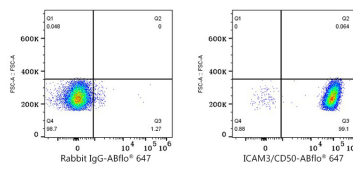
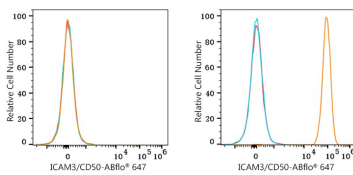
Store at -20°C. Avoid freeze / thaw cycles.

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



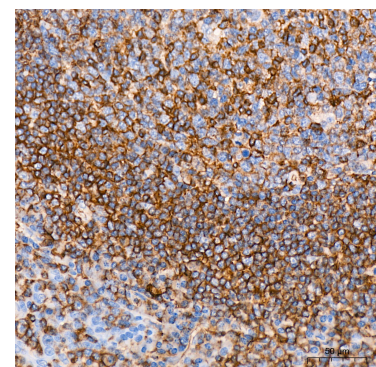
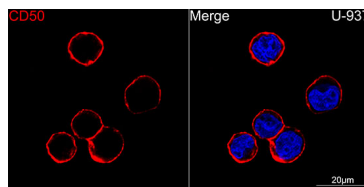
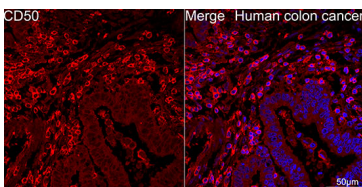
Western blot analysis of various lysates using ICAM3/CD50 Rabbit mAb (A25722) at 1:1600 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: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



Flow cytometry: 1×10^6 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: 1×10^6 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.

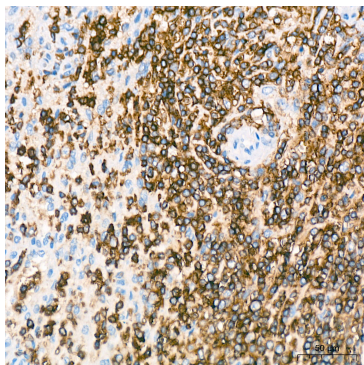


Confocal imaging of paraffin-embedded Human colon cancer tissue using ICAM3/CD50 Rabbit mAb (A25722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed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



Immunohistochemistry analysis of 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.