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ICAM3/CD50 Rabbit mAb

Catalog No.: A25722 Recombinant

Basic Information

Observed MW
140kDa

Calculated MW
60kDa

Category
Primary antibody

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

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

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

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℃. 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.

Contact

400-999-6126

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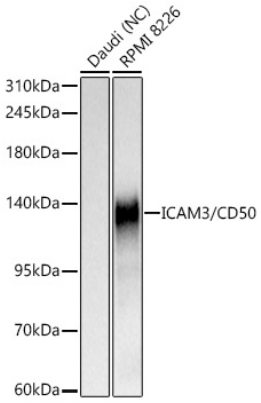
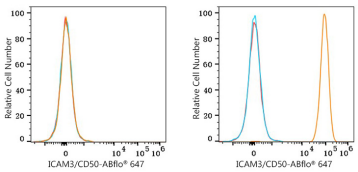
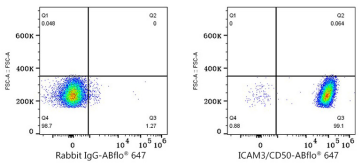
Validation Data



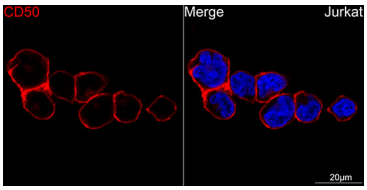
Western blot analysis of various lysates using ICAM3/CD50 Rabbit mAb (A25722)at 1:1600 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



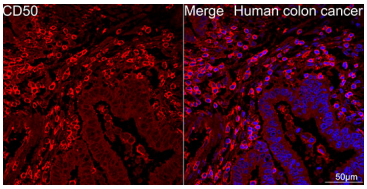
Flow cytometry: 1X10^6 Daudi cells (negative control,left) and U-937 cells (right) were surface-stained with ICAM3/CD50 Rabbit mAb (A25722,2 µg/mL,orange line), or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



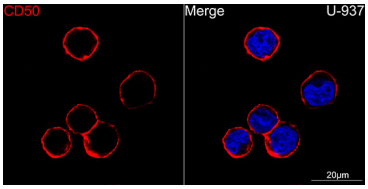
Flow cytometry: 1X10^6 U-937 cells were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or ICAM3/CD50 Rabbit mAb (A25722,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



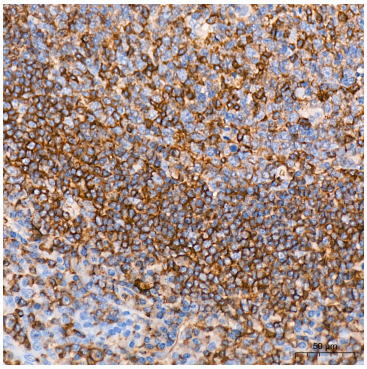
Confocal imaging of Jurkat cells using ICAM3/CD50 Rabbit mAb (A25722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



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.

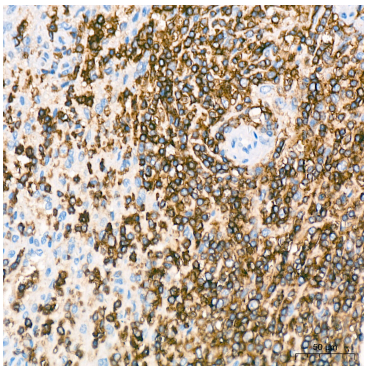


Confocal imaging of U-937 cells using ICAM3/CD50 Rabbit mAb (A25722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



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.