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CD66a/CEACAM1 Rabbit mAb

Catalog No.: A25475 Recombinant

Basic Information

Observed MW
100-150kDa

Calculated MW
57kDa/50kDa/37kDa/30kDa

Category
Primary antibody

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

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC65927

Background

Enables several functions, including signaling receptor binding activity; virion binding activity; and virus receptor activity. Involved in several processes, including common myeloid progenitor cell proliferation; granulocyte colony-stimulating factor signaling pathway; and negative regulation of macromolecule metabolic process. Acts upstream of or within several processes, including modulation by host of viral process; regulation of T cell activation; and regulation of intracellular signal transduction. Located in cell projection membrane; external side of plasma membrane; and extracellular space. Is expressed in several structures, including alimentary system; central nervous system; extraembryonic component; genitourinary system; and skeleton. Orthologous to several human genes including CEACAM1 (CEA cell adhesion molecule 1).

Recommended Dilutions

WB	1:2000 - 1:6000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
FC	1:500 - 1:1000

Immunogen Information

Gene ID
26365

Swiss Prot
P31809

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 35-428 of mouse CD66a/CEACAM1a (NP_001034274.1).

Synonyms
Bgp; Cc1; Hv2; Bgp1; Cea1; Cea7; Hv-2; MHVR; bb-1; C-CAM; CD66a; Cea-1; Cea-7; MHVR1; Mhv-1; mCEA1; mmCGM1; mmCGM2; mmCGM1a

Contact

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Product Information

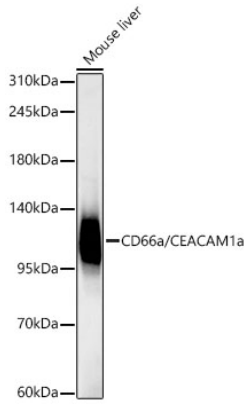
Source
Rabbit

Isotype
IgG

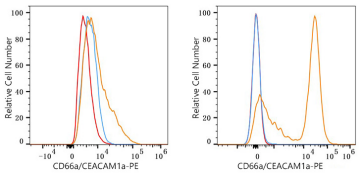
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

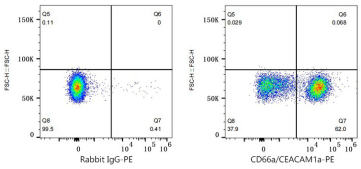
Validation Data



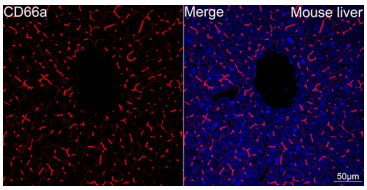
Western blot analysis of lysates from Mouse liver using CD66a/CEACAM1a Rabbit mAb (A25475) at 1:5000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time:30s.



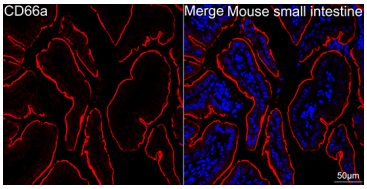
Flow cytometry: 1X10^6 3T3-L1 cells (Low Expression,left) and C57BL/6 mouse Splenocytes (right) were surface-stained with CD66a/CEACAM1a Rabbit mAb (A25475,2 µg/mL,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line), followed by PE conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



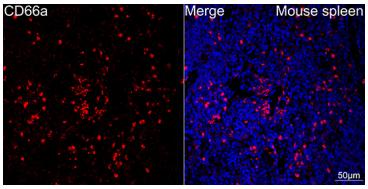
Flow cytometry: 1X10^6 C57BL/6 mouse Splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or CD66a/CEACAM1a Rabbit mAb (A25475,2 µg/mL,right).



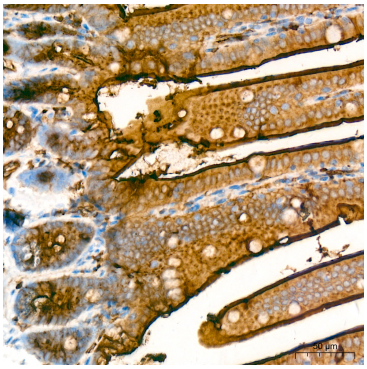
Confocal imaging of paraffin-embedded Mouse liver tissue using CD66a/CEACAM1a Rabbit mAb (A25475, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of paraffin-embedded Mouse small intestine tissue using CD66a/CEACAM1a Rabbit mAb (A25475, 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: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

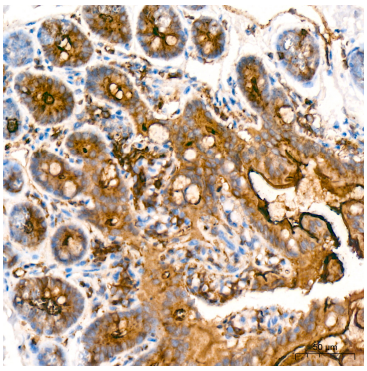


Confocal imaging of paraffin-embedded Mouse spleen tissue using CD66a/CEACAM1a Rabbit mAb (A25475, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using CD66a/CEACAM1a Rabbit mAb (A25475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using CD66a/CEACAM1a Rabbit mAb (A25475) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.