

CD66a/CEACAM1a 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

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

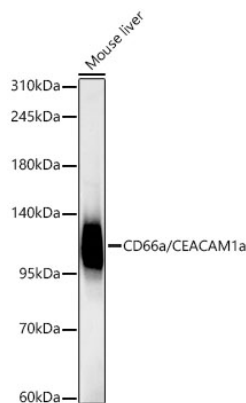
Affinity purification

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 lysates from Mouse liver using CD66a/CEACAM1a Rabbit mAb(A25475) at 1:5000 dilution.

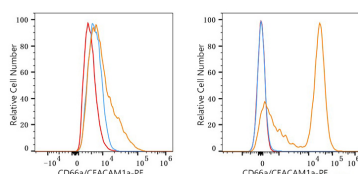
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

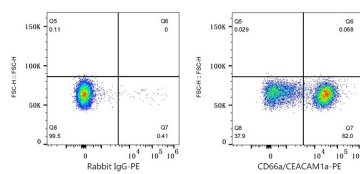
Blocking buffer: 3% nonfat dry milk in TBST.

Detection:ECL Basic Kit (RM00020).

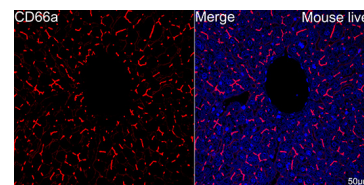
Exposure time:30s.



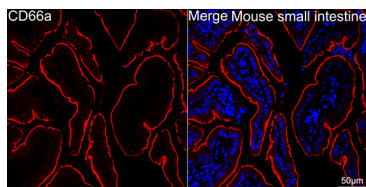
Flow cytometry: 1×10^6 3T3-L1 cells (Low Expression, left) and C57BL/6 mouse Splenocytes (right) were surface-stained with CD66a/CEACAM1a Rabbit mAb (A25475, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (A24172, 5 µg/mL, blue line), followed by PE conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



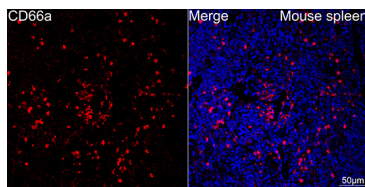
Flow cytometry: 1×10^6 C57BL/6 mouse Splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172, 5 µg/mL, left) or CD66a/CEACAM1a Rabbit mAb (A25475, 2 µg/mL, right).



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.

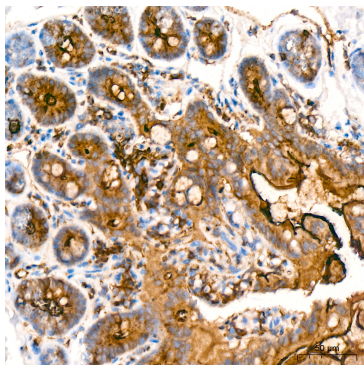


Confocal imaging of paraffin-embedded Mouse spleen tissue using CD66a/CEACAM1a Rabbit mAb (A25475, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen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



Immunohistochemistry analysis of CD66a/CEACAM1a in 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 CD66a/CEACAM1a in 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.