

# CD66a/CEACAM1 Rabbit mAb

Catalog No.: A25475

Recombinant

1 Publications

## Basic Information

### Observed MW

100-150kDa

### Calculated MW

57kDa/50kDa/37kDa/30kDa

### Category

Primary antibody

### Applications

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

### 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** 1:5000 - 1:20000**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

26365

### Swiss Prot

P31809

### Immunogen

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

### 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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification


Affinity purification

### Storage

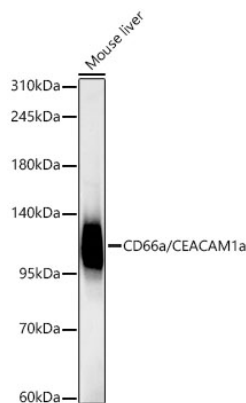
Store at -20°C. Avoid freeze / thaw cycles.

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.

## Contact

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

## Validation Data



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

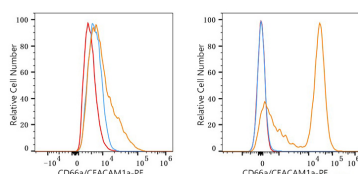
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

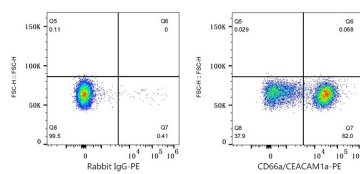
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

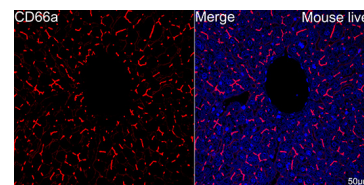
Exposure time:30s.



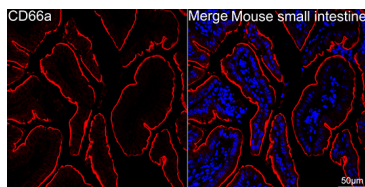
Flow cytometry:  $1 \times 10^6$  3T3-L1 cells (Low Expression, left) and C57BL/6 mouse Splenocytes (right) were surface-stained with CD66a/CEACAM1a Rabbit mAb (A25475, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (A24172, 5 µg/mL, blue line), followed by PE conjugated goat anti-Rabbit pAb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



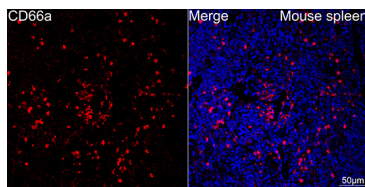
Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse Splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172, 5 µg/mL, left) or CD66a/CEACAM1a Rabbit mAb (A25475, 2 µg/mL, right).



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.



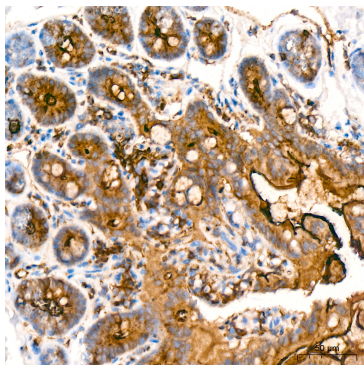
Confocal imaging of paraffin-embedded Mouse small intestine tissue using CD66a/CEACAM1a Rabbit mAb (A25475, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure 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 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.



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.