

## Purified Anti-Mouse CD66A Antibody[Mab-CC1]

catalog number: AN003280P

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

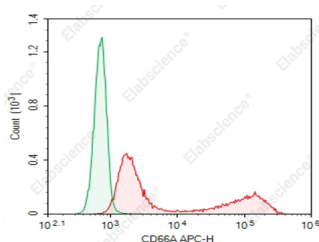
|                     |                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Mouse                                                                                                                                           |
| <b>Immunogen</b>    | Recombinant Mouse CD66A protein                                                                                                                 |
| <b>Host</b>         | Mouse                                                                                                                                           |
| <b>Isotype</b>      | Mouse IgG1, $\kappa$                                                                                                                            |
| <b>Clone</b>        | Mab-CC1                                                                                                                                         |
| <b>Purification</b> | >98%, Protein A/G purified                                                                                                                      |
| <b>Buffer</b>       | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.<br>Dialyze to completely remove the stabilizer prior to labeling. |

### Applications

### Recommended Dilution

**FCM**  $\leq 0.2 \mu\text{g}$  per million cells in 100  $\mu\text{L}$  volume

### Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Mouse CD66A gene were stained with 0.2  $\mu\text{g}$  Purified Anti-Mouse CD66A Antibody[Mab-CC1] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                                                            |

### Background

CD66a, known as CEACAM1a, carcinoembryonic antigen-related cell adhesion molecule 1a, is a glycoprotein of the immunoglobulin superfamily and the carcinoembryonic antigen family. Isoforms expressing either two or four alternatively spliced Ig-like domains in mice have been found in a number of epithelial, endothelial, or hematopoietic tissues. CEACAM1a functions as an intercellular adhesion molecule, an angiogenic factor, and a tumor cell growth inhibitor. It also serves as a signal regulatory protein influencing B cell receptor complex-mediated activation. The mouse and human CEACAM1a proteins are targets of viral or bacterial pathogens, respectively. It was reported that targeted disruption of the CEACAM1a gene resulting in a partial ablation of the protein in mice led to reduced susceptibility to virus infection. The antibody recognizes the N-terminal domain of murine CEACAM1a, it does not recognize murine CEACAM1b, an allele in SJL mice.

### For Research Use Only

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