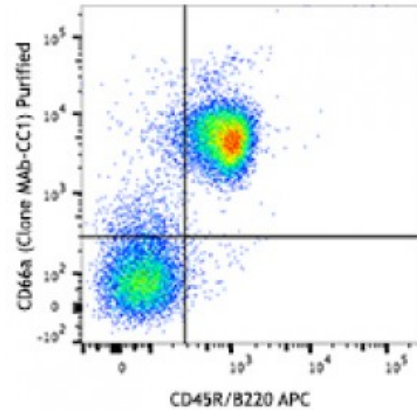


Purified anti-mouse CD66a (CEACAM1a)

Catalog # / Size: 1272640 / 500 µg
Clone: MAb-CC1
Isotype: Mouse IgG1, κ
Immunogen: BALB/c mouse purified intestinal brush border membrane
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: Lot-specific



C57BL/6 mouse splenocytes were stained with CD45R/B220 APC and CD66a (Clone MAb-CC1) purified (top) or mouse IgG1, κ purified isotype control (bottom) followed by goat anti-mouse IgG PE.

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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Application References:
1. Turner BC, *et al.* 2004. *J. Virol.* 78 (10):5486
2. Williams RK, *et al.* 1990. *J. Virol.* 64:3817
3. Dveksler GS, *et al.* 1993. *Proc. Natl. Acad. Sci. USA.* 90:1716

Description: 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.

Antigen
References:

1. Nakagaki K, *et al.* 2005. *J. Virol.* 79(10):6102
2. Greicius G *et al.* 2003. *J. Leukoc. Biol.* 74(1):126
3. Hemmila E *et al.* 2004. *J. Virol.* 78(18):10156