

**PE anti-mouse CD66a (CEACAM1a)**

**Catalog # / Size:** 1272530 / 100 µg  
1272525 / 25 µg

**Clone:** MAb-CC1

**Isotype:** Mouse IgG1, κ

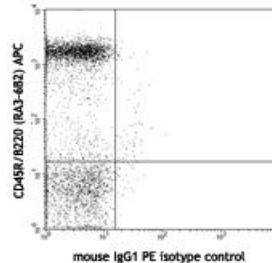
**Immunogen:** Balb/c mouse purified intestinal brush border membrane

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2

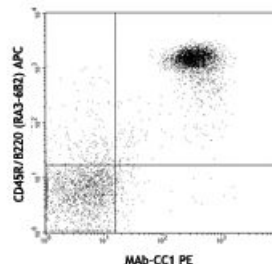


Balb/c mouse splenocytes stained with MAb-CC1 PE (lower panel) or mouse IgG1 PE isotype control (upper panel) and CD45R/B220 (RA3-6B2) APC

**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.



- 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