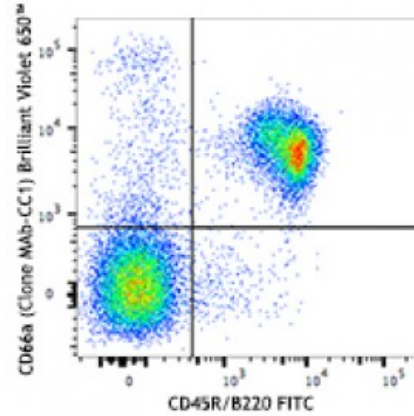


Brilliant Violet 650™ anti-mouse CD66a (CEACAM1a)

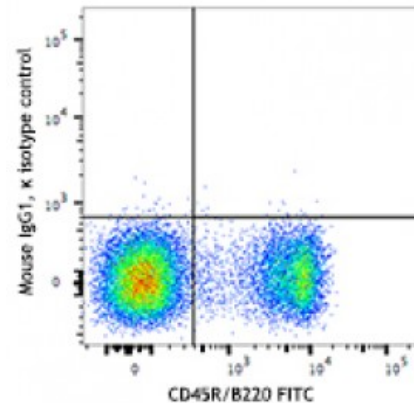
Catalog # / Size: 1272645 / 50 µg
Clone: MAb-CC1
Isotype: Mouse IgG1, κ
Immunogen: BALB/c mouse purified intestinal brush border membrane
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration: 0.2



C57BL/6 mouse splenocytes were stained with CD45R/B220 FITC and CD66a (clone Mab-CC1) Brilliant Violet 650™ (top) or mouse IgG1, κ Brilliant Violet 650™ isotype control (bottom).

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.



Brilliant Violet 650™ excites at 405 nm and emits at 645 nm. The bandpass filter 660/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 650™ is a trademark of Sirigen Group Ltd.

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into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.

- Application** 1. Turner BC, *et al.* 2004. *J. Virol.* 78 (10):5486
References: 2. Williams RK, *et al.* 1990. *J. Virol.* 64:3817
3. Dveksler GS, *et al.* 1993. *Proc. Natl. Acad. Sci. USA.* 90:1716
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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** 1. Nakagaki K, *et al.* 2005. *J. Virol.* 79(10):6102
References: 2. Greicius G *et al.* 2003. *J. Leukoc. Biol.* 74(1):126
3. Hemmila E *et al.* 2004. *J. Virol.* 78(18):10156