SONY

Product Data Sheet

Alexa Fluor® 647 anti-mouse CD66a (CEACAM1a)

Catalog # / Size:	1272615 / 25 µg 1272620 / 100 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 Alexa Fluor® 647 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	Lot-specific

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. * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.
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

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com