

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 488 Anti-Mouse CD66A Antibody[Mab-CC1]

Catalog Number: AN00328L

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

Description

Reactivity Mouse
Host Mouse

Isotype Mouse IgG1, κ **Clone No.** Mab-CC1

Isotype Control Elab Fluor® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]

Conjugation Elab Fluor® 488

Conjugation Information Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

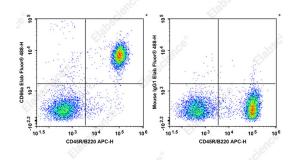
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of C57BL/6 murine splenocytes cells with APC Anti-Mouse CD45R/B220 Antibody and Elab Fluor® 488 Anti-Mouse CD66A Antibody[Mab-CC1](left) or Elab Fluor® 488 Mouse IgG1, κ (right). Total viable cells were used for analysis.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CEACAM1a;Bgp

 Uniprot ID
 P31809

 Gene ID
 26365

For Research Use Only

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Rev. V1.8

Elabscience Bionovation Inc.

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Background

Elabscience®

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, respectivel y. 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.

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