

A Reliable Research Partner in Life Science and Medicine

# PE/Cyanine7 Anti-Mouse CD66A Antibody[Mab-CC1]

Catalog Number: AN00328H

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

#### Description

Reactivity Mouse Mouse Host

Isotype Mouse IgG1, ĸ Clone No. Mab-CC1

PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H] Isotype Control

Conjugation

**Conjugation Information** PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

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

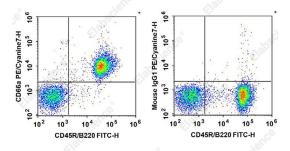
#### **Applications** Recommended usage

**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 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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 FITC Anti-Mouse CD45R/B220 Antibody and PE/Cyanine7 Anti-Mouse CD66A Antibody[Mab-CC1](left) or PE/Cyanine7 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

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com

Web:www.elabscience.com

#### Elabscience Bionovation Inc.

A Reliable Research Partner in Life Science and Medicine

#### **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.

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com