

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Human CD11a Antibody[R7-1]

Catalog Number: E-AB-F1211M1

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

# **Description**

Reactivity Human Host Mouse

**Isotype** Mouse lgG1,  $\kappa$ 

Clone No. R7-1

Isotype Control Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

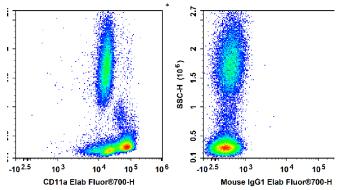
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

# 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ 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 normal human peripheral blood cells with Elab

Fluor® 700 Anti-Human CD11a Antibody[R7-1] (left) or Elab Fluor® 700 Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the leucocytes gate were used for analysis.

### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names CD11A;ITGAL;Integrin alpha-L;LFA-1A

 Uniprot ID
 P20701

 Gene ID
 3683

# For Research Use Only

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#### **Elabscience Bionovation Inc.**

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# **Background**

Elabscience®

CD11a is a 170-180 kD type I transmembrane glycoprotein also known as LFA-1 $\alpha$  chain and integrin  $\alpha$ L subunit. CD11a non-covalently associates with integrin  $\beta$ 2 (CD1 8) to form LFA-1. It is expressed on all leukocytes, including B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils. It is absent on non-hematopoietic tissues and platelets. CD11a plays a central role in leukocyte cell-cell interactions and is important in lymphocyte costimulation. CD11a/CD18 binds to ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50).

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