

A Reliable Research Partner in Life Science and Medicine

# PE/Elab Fluor® 594 Anti-Human CD54 Antibody[15.2]

Catalog Number: E-AB-F1043P

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

## **Description**

Human Reactivity Mouse Host

Mouse IgG1, κ Isotype

Clone No. 15.2

Isotype Control PE/Elab Fluor<sup>®</sup> 594 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792P]

Conjugation PE/Elab Fluor®594

**Conjugation Information** PE/Elab Fluor® 594 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 620 nm

(e.g., a 610/20 nm bandpass filter).

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

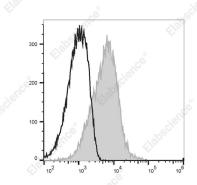
#### **Applications** Recommended usage

**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**



Human peripheral blood lymphocytes are stained with

PE/Elab Fluor® 594 Anti-Human CD54 Antibody[15.2] (filled gray histogram) or PE/Elab Fluor® 594 Mouse IgG1, κ Isotype Control (empty black histogram).

#### **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** CD54;lcam-1;lcam1;Intercellular adhesion molecule 1;MALA-2;MyD10

**Uniprot ID** P05362 Gene ID 3383

### For Research Use Only

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

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#### **Background**

Elabscience®

CD54 is a 85-110 kD type I transmembrane protein also known as ICAM-1. It is expressed on activated endothelial cells, high endothelial venules, T and B cells, monocytes/macrophages, granulocytes, and dendritic cells. The expression of ICAM-1 can be released from the cell surface. CD54 plays a role in cellular adhesion and is involved in inflammation and leukocyte extravasation. CD54 has also been shown to be the major cellular receptor for rhinovirus. ICAM-1 binds to CD11a/CD18 (LFA-1), CD11b/CD18 (Mac-1), CD11c/CD18 (p150, 95) as well as hyaluronan and fibrinogen.

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