

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 488 Anti-Human CD18 Antibody[TS1/18.1.2.11]

Catalog Number: E-AB-F1057L

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

#### **Description**

Reactivity Human Host Mouse

IsotypeMouse  $\lg G1$ ,  $\kappa$ Clone No.TS1/18.1.2.11

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).

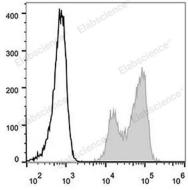
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ 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**



Human peripheral blood lymphocytes are stained with Elab

Fluor<sup>®</sup> 488 Anti-Human CD18 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

#### **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 CD18;Cell surface adhesion glycoproteins LFA-1/CR3/p150+95 subunit beta;

Complement receptor C3 subunit beta;Integrin beta-2;Itgb2

 Uniprot ID
 P05107

 Gene ID
 3689

## For Research Use Only

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# Elabscience<sup>®</sup>

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

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### **Background**

CD18 is a 90-95 kD type I transmembrane protein also known as integrin  $\beta2$  subunit, LFA-1  $\beta$  subunit, and  $\beta2$  integrin. CD18 non-covalently associates with CD11a, CD11b or CD11c. CD18 is expressed on all leukocytes. CD18 and associated  $\alpha$  chains function in adhesion and signaling in hematopoietic cells.

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