

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 450 Anti-Human CD9 Antibody[Hl9a]

Catalog Number: E-AB-F1086Q

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

#### **Description**

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. HI9a

Isotype Control Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09792Q1

Conjugation Elab Fluor® Violet 450

**Conjugation Information** Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

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

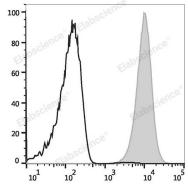
#### **Applications** Recommended usage

**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 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 platelets are stained with Elab Fluor

® Violet 450 Anti-Human CD9 Antibody (filled gray histogram) or Elab Fluor® Violet 450 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** TSPAN29;5H9 antigen;CD9;CD9 antigen;Cell growth-inhibiting gene 2 protein;

Leukocyte antigen MIC3;MIC3;MRP-1;Tspan-29;p24

**Uniprot ID** P21926 Gene ID 928

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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# **Background**

CD9 is a 24 kD type III transmembrane protein also known as tetraspanin, MRP-1 and DRAP-24. It is a member of the tetraspan family (spanning the membrane four times) found on platelets, B cell progenitors, activated lymphocytes, granulocytes, endothelial cells and epithelial cells. CD9 induces adhesion, platelet aggregation, and B cell development. CD9 has been shown to associate with CD63, CD81, CD82, and CD36 and to bind to  $\beta1$  integrins.