

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Mouse CD106 Antibody[M/K-2.7]

Catalog Number: E-AB-F1091M1

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

#### **Description**

Reactivity Mouse Host Rat

Isotype Rat IgG1, κ
Clone No. MK-2.7

Isotype Control Elab Fluor® 700 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822M1]

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).

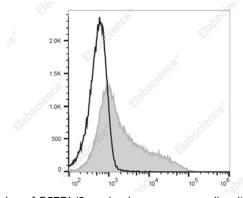
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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 C57BL/6 murine bone marrow cells with Elab

Fluor<sup>®</sup> 700 Anti-Mouse CD106 Antibody[M/K-2.7] (filled gray histogram) or Elab Fluor<sup>®</sup> 700 Rat IgG1, κ Isotype Control (empty black histogram). 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 CD106;V-CAM 1;VCAM-1;Vascular cell adhesion protein 1;Vcam1

 Uniprot ID
 P29533

 Gene ID
 22329

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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## **Background**

CD106 is a 110 kD glycosylphosphatidylinositol (GPI)-linked transmembrane protein, also known as VCAM-1 and INCAM-110. It is constitutively expressed on bone marrow stromal cells, myeloid progenitors, splenic dendritic cells, activated endothelial cells, as well as some lymphocytes. CD106 expression can be upregulated on endothelial cells by inflammatory cytokines. CD106 is involved in adhesion and acts as a counterreceptor for VLA-4 ( $\alpha$ 4/ $\beta$ 1 integrin) and LPAM-1 ( $\alpha$ 4/ $\beta$ 7 integrin).