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# Elab Fluor® 647 Anti-Mouse CD106 Antibody[M/K-2.7]

Catalog Number: E-AB-F1091UM

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

## Description

Reactivity Mouse Host Rat

Isotype Rat IgG1, κ
Clone No. M/K-2.7

Isotype Control Elab Fluor® 647 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823M]

Conjugation Elab Fluor® 647

**Conjugation Information** Elab Fluor<sup>®</sup> 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

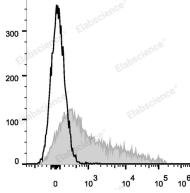
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



C57BL/6 murine bone marrow cells are stained with Elab

Fluor<sup>®</sup> 647 Anti-Mouse CD106 Antibody (filled gray histogram). Unstained bone marrow cells (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 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 (α4/β1 integrin) and LPAM-1 (α4/β7 integrin).

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