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# FITC Anti-Mouse CD106 Antibody[M/K-2.7]

Catalog Number: E-AB-F1091UC

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

#### **Description**

Reactivity Mouse Host Rat

 $\begin{array}{ll} \textbf{Isotype} & \text{Rat IgG1, } \kappa \\ \textbf{Clone No.} & \text{MK-2.7} \end{array}$ 

Isotype Control FITC Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823C]

**Conjugation** FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

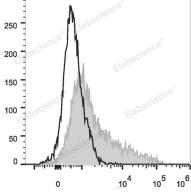
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. 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 FITC 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  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

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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

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com

## 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).

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