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PE/Cyanine 5 Anti-Mouse CD106 Antibody [M/K-2.7]

Catalog Number: E-AB-F1091UG

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG1, ĸ Clone No. M/K-2.7

PE/Cyanine5 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823G] Isotype Control

PE/Cyanine 5 Conjugation

Conjugation Information PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm

(e.g., a 690/50 nm bandpass filter).

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

Applications Recommended usage

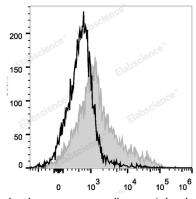
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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 μg/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine bone marrow cells are stained with PE/Cyanine5 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-CAM1;VCAM-1;Vascular cell adhesion protein 1;Vcam1

Uniprot ID P29533 Gene ID 22329

For Research Use Only

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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 (α 4/ β 1 integrin) and LPAM-1 (α 4/ β 7 integrin).

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