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## PE/Cyanine 5.5 Anti-Mouse CD106 Antibody [M/K-2.7]

Catalog Number: E-AB-F1091UI

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

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Reactivity Mouse Rat Host

Isotype Rat IgG1, ĸ Clone No. M/K-2.7

PE/Cyanine5.5 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823I] Isotype Control

PE/Cyanine 5.5 Conjugation

**Conjugation Information** PE/Cyanine5.5 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 690 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/10<sup>6</sup> cells

in 100 µL volume].

## **Preparation & Storage**

Keep as concentrated solution. Storage

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

**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 counter-

receptor for VLA-4 (α4/β1 integrin) and LPAM-1 (α4/β7 integrin).

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