

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

**Catalog Number:** GFH1091B

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

### Description

|                        |                                                                        |
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| <b>Reactivity</b>      | Mouse                                                                  |
| <b>Host</b>            | Rat                                                                    |
| <b>Isotype</b>         | Rat IgG1, $\kappa$                                                     |
| <b>Clone No.</b>       | M/K-2.7                                                                |
| <b>Isotype Control</b> | Biotin Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09823B] |
| <b>Conjugation</b>     | Biotin                                                                 |
| <b>Storage Buffer</b>  | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.    |

### Applications Recommended usage

|            |                                                                                                                                                                                                                                                                                                                                                           |
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| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per $10^6$ cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |
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### Preparation & Storage

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| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                             |

### Antigen Information

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| <b>Alternate Names</b> | CD106;V-CAM 1;VCAM-1;Vascular cell adhesion protein 1;Vcam 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene ID</b>         | 22329                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Background</b>      | 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 ( $\alpha 4/\beta 1$ integrin) and LPAM-1 ( $\alpha 4/\beta 7$ integrin). |