

## PerCP Anti-mouse CD106 Antibody \*429 (MVCAM.A)\*

Catalog number: 110601S0, 110601S1, 110601S2  
Unit size: 25 tests, 100 tests, 500 tests

### Product Details

|                    |   |
|--------------------|---|
| Storage Conditions | 2-8°C with minimized light exposure. Do not freeze.                         |
| Expiration Date    | 12 months upon receiving  |
| Concentration      | 0.1 mg/mL   |
| Formulation        | Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA |

### Antibody Properties

|                    |                          |
|--------------------|--------------------------|
| Species Reactivity | Mouse                    |
| Class              | Primary                  |
| Clonality          | Monoclonal               |
| Host               | Rat                      |
| Isotype            | Rat IgG2a kappa          |
| Immunogen          | CD106 (VCAM1, INCAM-110) |
| Clone              | 429 (MVCAM.A)            |
| Conjugate          | PerCP                    |

### Biological Properties

|             |  |
|-------------|--|
| Preparation | Antibody purified by affinity chromatography and then conjugated with PerCP under optimal conditions |
| Application | Flow Cytometry (FACS)  |

### Spectral Properties

|                       |        |
|-----------------------|--------|
| Conjugate             | PerCP  |
| Excitation Wavelength | 477 nm |
| Emission Wavelength   | 678 nm |

### Applications

The 429 (MVCAM.A) monoclonal antibody binds with mouse CD106, a 110 kD transmembrane protein frequently found on the surface of dendritic cells and endothelial progenitors. CD106 is associated with a variety of biologically interesting macromolecules/ligands, for instance, integrin  $\alpha 4\beta 1$  and VLA-4. CD106 is a fairly uncommon antibody target, with a little more than 2300 publications in the last decade. Even still, CD106 has a variety of applications in stem cells and cell adhesion research, often serving as a phenotypic marker for differentiating cell types in flow cytometric applications. This antibody was purified through affinity chromatography and conjugated to PerCP (ex/em = 477/678 nm). It is compatible with the 488 nm laser and 670/30 nm bandpass filter (for example, as in the BD LSRII Cell Analyzer).