

## 30-2665: Anti-Mouse CD106 Antibody (Clone : 429 (MVCAM.A))

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|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal                               |
| <b>Clone Name :</b>            | 429 (MVCAM.A)                            |
| <b>Application :</b>           | FACS , IP, IHC(F)                        |
| <b>Reactivity :</b>            | Mouse                                    |
| <b>Gene :</b>                  | Vcam1                                    |
| <b>Gene ID :</b>               | 22329                                    |
| <b>Format :</b>                | Purified                                 |
| <b>Alternative Name :</b>      | Vcam-1,vascular cell adhesion molecule 1 |
| <b>Isotype :</b>               | Rat IgG2a kappa                          |
| <b>Immunogen Information :</b> | Murine preadipose cell line PA6          |

### Description

CD106 / VCAM-1 (vascular cell adhesion molecule-1) is an Ig-like cell surface adhesion molecule binding VLA-4 integrin. VCAM-1 is a potent T cell costimulatory molecule taking part in their positive selection and survival, as well as in adhesion, transendothelial migration and activation of peripheral T cells. VCAM-1 is also involved in endothelial cell-cell contacts. Whereas VCAM-1 normally mediates leukocyte extravasion to sites of tissue inflammation, tumour cells can use overexpressed VCAM-1 to escape T cell immunity.

Specificity : The rat monoclonal antibody 429 (also known as MVCAM.A) recognizes an extracellular epitope of murine CD106, a 100-110 kDa type I membrane protein of the immunoglobulin superfamily, a crucial mediator of leukocyte adhesion, and a costimulation molecule.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 0.1 mg  |
| <b>Purification :</b>      | Purified by protein-A affinity chromatography   |
| <b>Content :</b>           | 1 mg/ml<br>Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide |
| <b>Storage condition :</b> | Store at 2-8°C. Do not freeze.  |

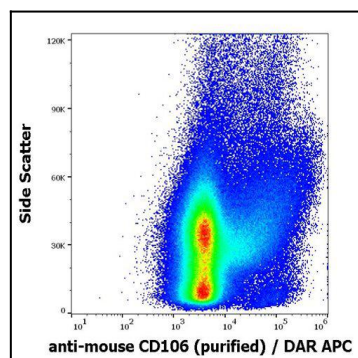


Figure 1 : Flow cytometry surface staining pattern of murine bone marrow cell suspension stained using anti-mouse CD106 (429) purified antibody (concentration in sample 0,19 µg/ml) DAR APC.

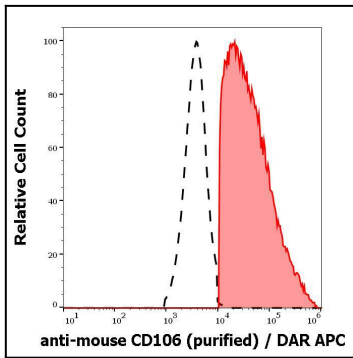


Figure 2 : Separation of murine CD106 positive cells (red-filled) from CD106 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine bone marrow cell suspension stained using anti-mouse CD160 (429) purified antibody (concentration in sample 0,19 µg/ml) DAR APC.