

### 30-2667: Anti-Mouse CD106 PE (Clone : 429 (MVCAM.A))

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	429 (MVCAM.A)
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	PE
<b>Gene :</b>	Vcam1
<b>Gene ID :</b>	22329
<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>	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	0.5 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

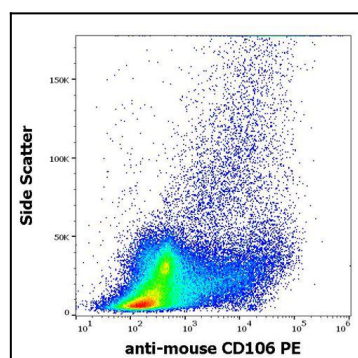


Figure 1 : Flow cytometry surface staining pattern of murine bone marrow cell suspension stained using anti-mouse CD106 (429) PE (concentration in sample 0,56 µg/ml).

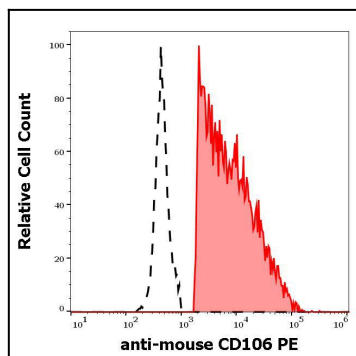


Figure 2 : Separation of murine CD160 positive cells (red-filled) from murine CD160 negative myeloid cells (black-dashed) in flow cytometry analysis (surface staining) of murine bone marrow cell suspension stained using anti-mouse CD106 (429) PE (concentration in sample 0,56 µg/ml).