

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

Clonality :	Monoclonal
Clone Name :	429 (MVCAM.A)
Application :	FACS
Reactivity :	Mouse
Conjugate :	PE
Gene :	Vcam1
Gene ID :	22329
Alternative Name :	Vcam-1,vascular cell adhesion molecule 1
Isotype :	Rat IgG2a kappa
Immunogen Information :	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

Amount :	0.1 mg
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	0.5 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

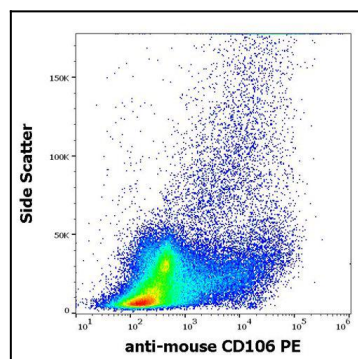


Figure 1 : Flow cytometry surface staining pattern of murine bone marrow cell suspension stained using anti-mouse CD106 (429) PE (concentration in sample 0,56 µg/ml).

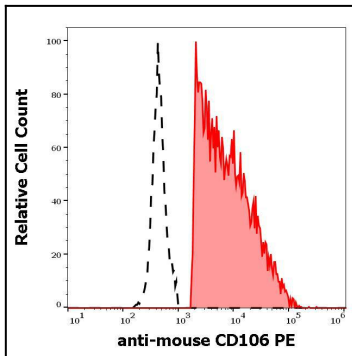


Figure 2 : Separation of murine CD160 positive cells (red-filled) from murine CD160 negative myeloid cells (black-dashed) in flow cytometry analysis (surface staining) of murine bone marrow cell suspension stained using anti-mouse CD106 (429) PE (concentration in sample 0,56 µg/ml).