

Monoclonal Antibody to CD106 / VCAM1 - PE

Alternate names:	INCAM-100, L1CAM, V-CAM 1, VCAM-1, Vascular cell adhesion protein 1
Catalog No.:	AM05549RP-N
Quantity:	100 Tests
Concentration:	0.1 mg/ml
Background:	CD106, also known as vascular cell adhesion molecule 1 (VCAM-1), is also expressed by several non-endothelial cell types including some macrophages, follicular dendritic cells and bone marrow, stromal cells. CD106 binds the integrins alpha4 beta1 and alpha4 beta7 and mediates leucocyte-endothelial cell adhesion.
Uniprot ID:	P19320
NCBI:	NP_001069.1
GeneID:	7412
Host / Isotype:	Mouse / IgG1
Clone:	STA
Immunogen:	Spleen Cells of the DS6 T-cell line Spleen cells from immunised Balb/c mice were fused with cells of the NS-1 myeloma cell line.
Format:	State: Lyophilised purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of neat-1/5 diluted antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD106, a 110kD cell surface protein predominantly expressed on activated vascular endothelium. Species: Human. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. Leca G, Mansur SE, Bensussan A. Expression of VCAM-1 (CD106) by a subset of TCR gamma delta-bearing lymphocyte clones. Involvement of a metalloprotease in the specific hydrolytic release of the soluble isoform. J Immunol. 1995 Feb 1;154(3):1069-77. PubMed

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



PMID: 7529789.

Pictures:

Staining of KM-H2 cells with mouse anti Human CD106 PE conjugated (AM05549RP-N)

