

## Monoclonal Antibody to CD106 / VCAM1 - PE

<b>Alternate names:</b>	INCAM-100, L1CAM, V-CAM 1, VCAM-1, Vascular cell adhesion protein 1
<b>Catalog No.:</b>	AM05557RP-N
<b>Quantity:</b>	100 Tests
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD106 is expressed predominantly on endothelial cells and expression is up-regulated during inflammation. The ligand for CD106 is the alpha 4 subunit (CD49d) of the integrin VLA-4 (CD49d/CD29).
<b>Uniprot ID:</b>	<a href="#">P29533</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Rat / IgG2a
<b>Clone:</b>	MVCAM A (429)
<b>Immunogen:</b>	Stromal cell line PA6
<b>Format:</b>	<b>State:</b> lyophilized purified IgG <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Reconstitute with 1.0 ml distilled water
<b>Applications:</b>	Flow Cytometry: 1/10. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises vascular adhesion molecule 1 (VCAM-1), a cell surface glycoprotein that is also known as CD106. Clone MVCAM.A(429) is reported to partially block VCAM-1 mediated functions . <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	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.
<b>Caution:</b>	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
<b>General Readings:</b>	1. Kinashi, T. and Springer, T.A. (1994) Adhesion molecules in hematopoietic cells. Blood Cells. 20:25 - 44.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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



2. Wormley FL, Chaiban J, Fidel PL. Cell adhesion molecule and lymphocyte activation marker expression during experimental vaginal candidiasis. Infect Immun. 2001 Aug;69(8):5072-9. PubMed PMID: 11447188.

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