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## 36-3349: Anti-CD106 / VCAM1 (Activated Endothelial Cell Marker) Monoclonal Antibody(Clone: B-K9)

Clonality: Monoclonal

 Clone Name :
 B-K9

 Application :
 FACS,IF

 Reactivity :
 Human

 Gene :
 VCAM1

 Gene ID :
 7412

 Uniprot ID :
 P19320

Alternative Name: CD106; INCAM-100; L1CAM; Vascular Cell Adhesion Molecule 1 (VCAM1); Vascular cell adhesion

protein 1

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Activated human umbilical vein endothelial cells (HUVEC)

## **Description**

Recognizes a protein of 110kDa, identified as CD106 (also known as vascular cell adhesion molecule-1 (VCAM-1) and INCAM-100). CD106 is a member of the Ig superfamily of adhesion molecules and is expressed at high levels on cytokine stimulated vascular endothelial cells, and at minimal levels on un-stimulated endothelial cells. It is also present on follicular and inter-follicular dendritic cells of lymph nodes, myoblasts, and some macrophages. CD106 serves as a ligand for leukocyte integrin (VLA-4 or CD49d/CD29) and mediates cell adhesion of leukocytes to activated endothelium. It plays a role in various immunological and inflammatory responses. This MAb inhibits the binding of leukocytes to VCAM-1 on stimulated endothelial cells.

## **Product Info**

**Amount**: 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

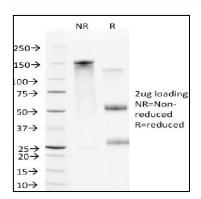


Fig. 1: SDS-PAGE Analysis Purified CD106 Mouse Monoclonal antibody (B-K9). Confirmation of Purity and Integrity of Antibody.