
Product Name: CD106 Mouse Monoclonal Antibody**Catalog #: AMM82100**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	81.3kDa

Antigen Information

Gene Name	CD106
Alternative Names	VCAM1; INCAM-100
Gene ID	7412.0
SwissProt ID	P19320
Immunogen	Purified recombinant fragment of human CD106 (AA: extra 25-183) expressed in E. Coli.

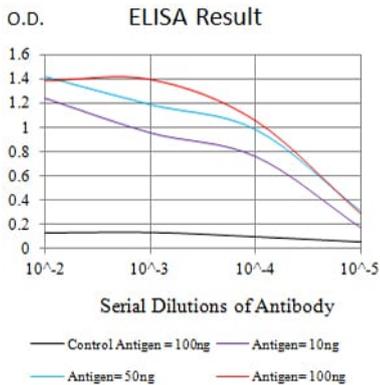
Background

This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding

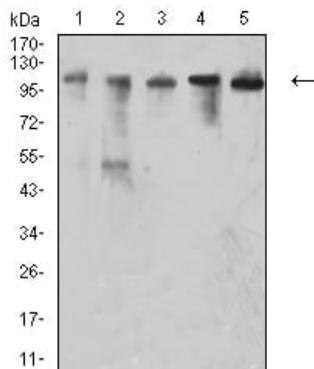
different isoforms have been described for this gene.

Research Area

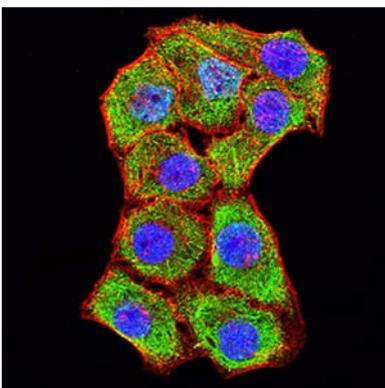
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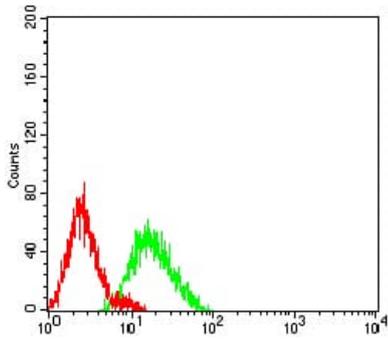
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD106 mouse mAb against EC (1), COS7 (2), MCF-7 (3), HepG2 (4), and HeLa (5) cell lysate.



Immunofluorescence analysis of HeLa cells using CD106 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of HL-60 cells using CD106 mouse mAb (green) and negative control (red).