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VCAM-1 Monoclonal Antibody (1G11B1), Biotin

Catalog Number MA1-34975

Product data sheet

Details	
Size	25 µg
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1G11B1
Immunogen	Full length protein (Human)
Conjugate	Biotin
Form	Liquid
Concentration	0.1 mg/mL
Storage Conditions	4° C

Species Reactivity	
Published species	Rat, Human

Tested Applications	Dilution *
ELISA (ELISA)	Assay-dependent
Flow Cytometry (Flow)	Assay-dependent
Immunoprecipitation (IP)	Assay-dependent

Published Applications	
Flow Cytometry (Flow)	See 3 publications below
Immunocytochemistry (ICC/IF)	See 1 publications below
Neutralization (Neu)	See 1 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

MA1-34975 detects VCAM1 from human samples. MA1-34975 has been successfully used in ELISA, Flow cytometry, and immunoprecipitation applications. The MA1-34975 immunogen is: Full length protein (Human)

Background/Target Information

VCAM-1 is a cell surface sialoglycoprotein expressed by cytokine activated endothelium. The protein has a number of functions including the regulation of leukocyte migration, leukocyte-endothelial cell adhesion and signal transduction and may play a role in a number of inflammatory diseases.

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PubMed References For VCAM-1 Monoclonal Antibody (1G11B1), Biotin

3 Flow Cytometry References

Species / Dilution	Summary
Human / 1:50	MA1-34975 was used in flow cytometry to investigate the regulatory role of estrogen signaling pathways in the differentiation of mesenchymal stem cells in vitro The American journal of the medical sciences (2011; 341: 460) **"Differentiation of human mesenchymal stem cells: the potential mechanism for estrogen-induced preferential osteoblast versus adipocyte differentiation."** Author(s):Zhao JW,Gao ZL,Mei H,Li YL,Wang Y PubMed Article URL:http://dx.doi.org/10.1097/MAJ.0b013e31820865d5
Human / Not Cited	MA1-34975 was used in flow cytometry to investigate the effect of simvastatin on monocytic cells and endothelial cell cytoskeleton European journal of pharmacology (2006; 548: 53) **"Simvastatin inhibits the migration and adhesion of monocytic cells and disorganizes the cytoskeleton of activated endothelial cells."** Author(s):Pozo M,de Nicolás R,Egido J,González-Cabrero J PubMed Article URL:http://dx.doi.org/10.1016/j.ejphar.2006.08.003
Rat / Not Cited	MA1-34975 was used in flow cytometry to study the effect of gliotoxin on neointimal hyperplasia in rats Journal of vascular research (2009; 46: 278) **"Gliotoxin inhibits neointimal hyperplasia after vascular injury in rats."** Author(s):Pozo M,Izquierdo MC,de Nicolás R,Egido J,Ortiz A,González-Cabrero J PubMed Article URL:http://dx.doi.org/10.1159/000176043

1 Immunocytochemistry References

Species / Dilution	Summary
Human / 1:50	MA1-34975 was used in immunocytochemistry to characterize muscle-derived multipotential stem cells Biotechnology and applied biochemistry (2004; 40: 25) **"Human adult craniofacial muscle-derived cells: neural-cell adhesion-molecule (NCAM; CD56)-expressing cells appear to contain multipotential stem cells."** Author(s):Sinanan AC,Hunt NP,Lewis MP PubMed Article URL:http://dx.doi.org/10.1042/BA20030185

1 Neutralization References

Species / Dilution	Summary
Human / Not Cited	MA1-34975 was used in blocking/activating experiment to characterize the role of Platelet factor 4 (PF-4) in the interaction between neutrophil and endothelial cells Blood (1999; 94: 4020) **"Platelet factor 4-induced neutrophil-endothelial cell interaction: involvement of mechanisms and functional consequences different from those elicited by interleukin-8."** Author(s):Petersen F,Bock L,Flad HD,Brandt E PubMed Article URL:http://www.ncbi.nlm.nih.gov/pubmed/10590045

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