

Mouse CD106 Monoclonal Antibody | anti-CD106 antibody

Mouse Anti Human CD106: RPE

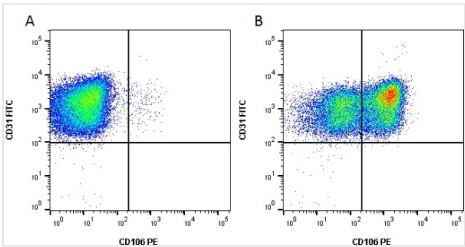
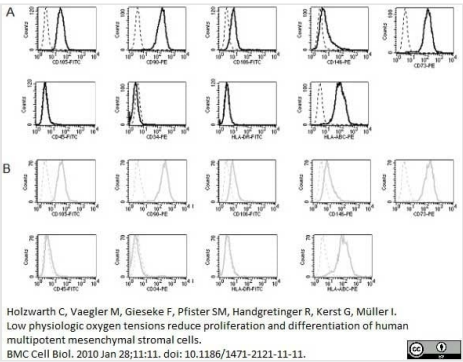
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50376	Mouse	Human, Pig, Rhesus Monkey	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD106; Monoclonal Antibody; Mouse Anti Human CD106: RPE; CD106 antibody (1.G11B1); Mouse anti Human CD106; anti-CD106 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig, Rhesus Monkey
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1.G11B1
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1 mg/ml (varies by lot)
Sequence Length	739
Applicable Applications for anti-CD106 antibody	FCM/FACS (Flow Cytometry)
Conjugation	RPE
Carrier Free	Yes
Preservative Stabilizers	Pack Size: 25 ug 0.09% Sodium Azide 0.1% Bovine Serum Albumin Pack Size: 0.2 mg 0.09% Sodium Azide
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



Application Data

FITC Conjugated Mouse anti Human CD106 antibody, clone 1.G11B1 used for the evaluation of VCAM-1 expression on mesenchymal stem cells by flow cytometry. Image caption: Immunophenotyping profile of MSC under 21% O₂ (A) and 1% O₂ (B) by flow cytometric analysis of cell surface marker expression after 14 days showed no changes in immunophenotype of MSC due to varying oxygen concentrations (n = 3). From: Holzwarth C, Vaegler M, Gieseke F, Pfister SM, Handgretinger R, Kerst G, Müller I. Low physiologic oxygen tensions reduce proliferation and differentiation of human multipotent mesenchymal stromal cells. BMC Cell Biol. 2010 Jan 28;11:11. This image is from an open access article distributed under the terms of the Creative Commons Attribution License.

ADDITIONAL INFORMATION

Related Product Information for anti-CD106 antibody	Mouse anti Human CD106 antibody, clone 1.G11B1 recognizes human VCAM-1, a ~110 kDa molecule whose ligand is VLA4. The antigen is expressed on activated endothelial cells and on some tissue macrophages, bone marrow fibroblasts and myoblasts. Mouse anti Human CD106 antibody, clone 1.G11B1 inhibits cellular adhesion mediated by VCAM-1 (Patel 1998).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	137560
NCBI GeneID	7412
UniProt Accession #	P19320
NCBI Official Full Name	Vascular cell adhesion protein 1
NCBI Official Synonym Full Names	vascular cell adhesion molecule 1
NCBI Official Symbol	VCAM1
NCBI Official Synonym Symbols	CD106; INCAM-100
NCBI Protein Information	vascular cell adhesion protein 1
UniProt Protein Name	Vascular cell adhesion protein 1
UniProt Gene Name	VCAM1
UniProt Synonym Gene Names	L1CAM; V-CAM 1; VCAM-1
UniProt Entry Name	VCAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.