

Product datasheet for **TA320511**

VCAM1 Mouse Monoclonal Antibody [Clone ID: STA]

Product data:

Product Type:	Primary Antibodies
Clone Name:	STA
Recommended Dilution:	Flow, IHC
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	vascular cell adhesion molecule 1
Database Link:	NP_001069 Entrez Gene 7412 Human P19320
Background:	The STA monoclonal antibody reacts with human CD106 (Vascular Cell Adhesion Molecule-1, VCAM-1), a 110 kDa transmembrane glycoprotein expressed by myeloid lineage and bone marrow stromal cells. Endothelial cells constitutively express low levels of CD106 and upregulate it upon cytokine stimulation. CD106 binds to Integrin $\alpha 4\beta 1$ (VLA-4, CD49d/CD29) and Integrin $\alpha 4\beta 7$ (LPAM-1). Cytokine-mediated upregulation of CD106 on endothelial cells suggests a role for this antigen in the inflammatory response.
Synonyms:	CD106; INCAM-100
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration



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