

## Product datasheet for **TA320510**

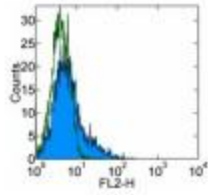
### Vcam1 Mouse Monoclonal Antibody [Clone ID: eBioMR106 (MR106)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	eBioMR106 (MR106)
Applications:	FC
Recommended Dilution:	Flow, IHC, IP, WB
Reactivity:	Rat
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:	<a href="#">NP_035823</a> <a href="#">Entrez Gene 25361 Rat</a>
Background:	The eBioMR106 monoclonal antibody reacts with rat 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 further upregulate VCAM-1 upon cytokine stimulation. CD106 binds to integrin $\alpha 4\beta 1$ (VLA-4, CD49d/CD29) and Integrin $\alpha 4\beta 7$ (LPAM-1) and these interactions in the bone marrow and thymus are important for early lymphocyte and myeloid development. Cytokine-mediated upregulation of CD106 on endothelial cells suggests a role for this antigen in the inflammatory response.
Synonyms:	CD106; DKFZp779G2333; INCAM-100; L1CAM; MGC99561



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**Product images:**

Staining of rat bone marrow cells with 0.25 ug of Mouse IgG1 kappa Isotype Control Purified (open histogram) or 0.25 ug of Anti-Rat CD106 (VCAM-1) Purified (filled histogram) followed by Anti-Mouse IgG Biotin and Streptavidin PE. Cells in the large scatter population were used for analysis.