OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM26718PU-N

VCAM1 Mouse Monoclonal Antibody [Clone ID: 1299.27-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1299.27-1
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 0.5 µg/ml (1/800). *Positive control: Human tonsil.*
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes VCAM-1 (vas cular cell adhesion molecule 1) expressed by endothelial cells in tissue sections and in umbilical vein endothelial cells (HUVECs) stimulated by TNF- α or Interleukin (IL)-1. Maximum expression can be observed after 6 hours as detected by ELISA on these cells.
Formulation:	Phosphate buffered saline pH 7.2 (PBS) State: Purified State: Lyophilized affinity puried Ig fraction Stabilizer: 10mg/ml bovine serum albumin (BSA) Preservative: 0.01% Thimerosal
Reconstitution Method:	Reconstitute by adding 0.5ml distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	vascular cell adhesion molecule 1
Database Link:	Entrez Gene 7412 Human P19320

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Background: VCAM-1 is known to be a receptor for the integrin α 4 β 1, and to interact weakly with the closely related integrin α 4 β 7. The primary leucocytes that interact with CD106 are lymphocytes, monocytes, basophils and eosinophils. Neutrophils lack the α 4 integrin, which explains some of the selective adhesion and recruitment characteristics of the different leucocytes. VCAM-1 is expressed in a wide range of inflammatory conditions, including rejecting cardiac transplant tissue, atherosclerotic lesions, multiple sclerosis, arthritic synovium and inflammatory reactions in the skin.

Synonyms: V-CAM 1, INCAM-100, L1CAM, VCAM-1