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3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-VCAM1 Antibody Picoband® FITC Conjugated

Catalog Number: A01199-1-FITC

About VCAM1

CD106 (cluster of differentiation 106) also known as vascular cell adhesion molecule 1 (VCAM-1), is a protein that in humans is encoded by the VCAM1 gene. In inflammatory conditions and in cardiac allografts undergoing rejection, VCAM1 is upregulated in endothelium of postcapillary venules. Arterial expression of VCAM1 is also found in experimental models of atherosclerosis in the rabbit. This gene is mapped to chromosome 1 by Southern analysis of somatic cell hybrids. VCAM-1 functions as a cell adhesion molecule. The VCAM-1 protein mediates the adhesion of lymphocytes, monocytes, eosinophils, andbasophils to vascularendothelium. It also functions in leukocyte-endothelial cell signal transduction, and it may play a role in the development ofatherosclerosis and rheumatoid arthritis. CAM741 works similar to cotransin in that it represses the biosynthesis of VCAM1 cells by blocking the process of cotranslational translocation, which is dependent on the signal peptide ofVCAM1. Among the lung metastasis signature genes identified, several, includingVCAM1, were functionally validated.

Overview

Product Name	Anti-VCAM1 Antibody Picoband® FITC Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IHC). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P19320

Technical Details

Immunogen	E. coli-derived human VCAM1 recombinant protein (Position: F25-L270).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm

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	Emission Wavelength: 525 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

13 Publications Citing This Product

1. PubMed ID: 10.1177/1934578X1801300115, Malvidin and its Glycosides from Vaccinium ashei Improve Endothelial Function by Anti-inflammatory and Angiotensin I-Converting Enzyme Inhibitory Effects:

2. PubMed ID: 10.3390/molecules190812827, Anti-Inflammatory Effect of the Blueberry Anthocyanins Malvidin-3-Glucoside and Malvidin-3-Galactoside in Endothelial Cells

3. PubMed ID: 10.1111/1750-3841.13706, Quercetin, Hyperin, and Chlorogenic Acid Improve Endothelial Function by Antioxidant, Antiinflammatory, and ACE Inhibitory Effects

Visit bosterbio.com/anti-vcam1-picoband-trade-antibody-a01199-1-boster.html to see all 13 publications.

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Anti-VCAM1 Antibody - FITC

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