

Datasheet for ABIN668080

anti-VCAM1 antibody (AA 640-739)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	VCAM1
Binding Specificity:	AA 640-739
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VCAM1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse VCAM-1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	VCAM1
Alternative Name:	VCAM-1 (VCAM1 Products)

Target Details

Background:	Synonyms: CD106, Vcam-1, Vascular cell adhesion protein 1, V-CAM 1, Vcam1 Background: Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation.
Gene ID:	22329
UniProt:	P29533
Pathways:	Carbohydrate Homeostasis

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

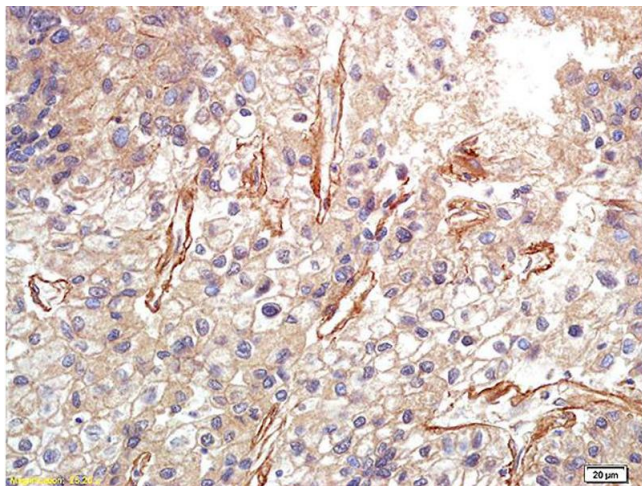
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Liu, Davidson, Yue, Belcik, Xie, Inaba, McCarty, Tormoen, Zhao, Ruggeri, Kaufmann, Lindner: "Molecular imaging of inflammation and platelet adhesion in advanced atherosclerosis effects of antioxidant therapy with NADPH oxidase inhibition." in: **Circulation. Cardiovascular imaging**, Vol. 6, Issue 1, pp. 74-82, (2013) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma tissue labeled with Anti VCAM-1 Polyclonal Antibody, Unconjugated (ABIN668080) at 1:200 followed by conjugation to the secondary antibody and DAB staining.