

## Rabbit anti-Human VCAM-1/CD106 Polyclonal Antibody | anti-VCAM-1/CD106 antibody

Anti-VCAM-1/CD106 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA258751</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

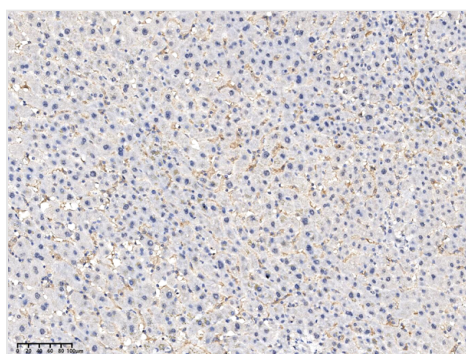
### PRODUCT SYNONYMS

VCAM-1/CD106; Polyclonal Antibody; Anti-VCAM-1/CD106 Antibody; Rabbit Polyclonal; vascular cell adhesion molecule 1; Anti-CD106 Antibody; Anti-INCAM-100 Antibody; Anti-VCAM-1 Antibody; anti-VCAM-1/CD106 antibody

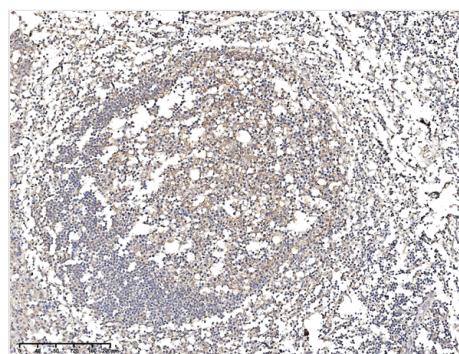
### PRODUCT SPECIFICATIONS

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| Host                                                   | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                             | Human                                                                                                                                                                                                                                                                 |
| Clonality                                              | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                                | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                            | Human VCAM-1/CD106                                                                                                                                                                                                                                                    |
| Purity/Purification                                    | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                            | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-VCAM-1/CD106 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Immunogen                                              | Recombinant Human VCAM-1/CD106 Protein                                                                                                                                                                                                                                |
| Preparation                                            | Produced in rabbits immunized with purified, recombinant Human VCAM-1/CD106 (rh VCAM-1/CD106). VCAM-1/CD106 specific IgG was purified by Human VCAM-1/CD106 affinity chromatography.                                                                                  |
| Preparation and Storage                                | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES


**IHC (Immunohistochemistry)**

Immunochemical staining of human VCAM1 in human liver with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.


**IHC (Immunohistochemistry)**

Immunochemical staining of human VCAM1 in human tonsil with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

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| Related Product Information for anti-VCAM-1/CD106 antibody | Vascular cell adhesion molecule 1 (VCAM-1), also known as CD106, is a cell surface sialoglycoprotein belonging to the immunoglobulin superfamily. Two forms of VCAM-1 with either six or seven extracellular Ig-like domains are generated by alternative splicing, with the longer form predominant. VCAM-1 is an endothelial ligand for very late antigen-4 (VLA-4) and alpha4beta7 integrin expressed on leukocytes, and thus mediates leukocyte-endothelial cell adhesion and signal transduction. VCAM-1 expression is induced on endothelial cells during inflammatory bowel disease, atherosclerosis, allograft rejection, infection, and asthmatic responses. During these responses, VCAM-1 forms a scaffold for leukocyte migration. VCAM-1 also activates signals within endothelial cells resulting in the opening of an "endothelial cell gate" through which leukocytes migrate. VCAM-1 has been identified as a potential anti-inflammatory therapeutic target, the hypothesis being that reduced expression of VCAM-1 will slow the development of atherosclerosis. In addition, VCAM-1-activated signals in endothelial cells are regulated by cytokines indicating that it is important to consider both endothelial cell adhesion molecule expression and function during inflammatory processes. |
| References                                                 | Cook-Mills JM. (2002) VCAM-1 signals during lymphocyte migration: role of reactive oxygen species. Mol Immunol. 39(9): 499-508.<br>Preiss DJ, et al. (2007) Vascular cell adhesion molecule-1: a viable therapeutic target for atherosclerosis Int J Clin Pract. 61(4): 697-701.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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