
anti-VCAM-1

Cat #: HM1055
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. VCAM-1 (vascular cell adhesion molecule-1) was first identified as an adhesion molecule induced on human endothelial cells by inflammatory cytokines such as IL-1, tumor necrosis factor (TNF) and lipopolysaccharide (LPS) (7). It is a member of the Ig superfamily. VCAM-1 mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis.

SPECIFICITY

This antibody specifically reacts with VCAM-1 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human VCAM-1 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8° C.

REFERENCES

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2. Mayet, W.J., Schwarting, A., Orth, T., Duchmann, R., and Meyer zum Buschenfelde, K.H. 1996. Antibodies to proteinase 3 mediate expression of vascular cell adhesion molecule-1 (VCAM-1). *Clin. Exp. Immunol.* 103: 259-267.
3. Lazaar,A.L., Krymskaya,V.P. and Das,S.K. (2001) VCAM-1 activates phosphatidylinositol 3-kinase and induces p120Cbl phosphorylation in human airway smooth muscle cells. *J. Immunol.* 166, 155-161.

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