

For Research Use Only

# VCAM-1 Monoclonal antibody, PBS Only



Catalog Number: 66294-1-PBS

## Basic Information

<b>Catalog Number:</b> 66294-1-PBS	<b>GenBank Accession Number:</b> BC017276	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 7412	<b>CloneNo.:</b> 1B12F12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P19320	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> vascular cell adhesion molecule 1	
<b>Immunogen Catalog Number:</b> AG24697	<b>Calculated MW:</b> 739 aa, 81 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IHC, IF

**Species Specificity:**  
human

## Background Information

Vascular cell adhesion molecule 1 (VCAM1), also known as CD106, is a 110-kDa transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium, interacts with integrin VLA4 ( $\alpha 4 \beta 1$ ) present on the surface of leukocytes, and mediates both adhesion and signal transduction. It is also expressed either constitutively or inducibly in a variety of other cell types, including vascular smooth muscle cells, differentiating skeletal muscle cells, renal and neural epithelial cells, macrophages (Kupffer cells), dendritic cells, and bone marrow stromal cells (PMID: 7507076, 11359843).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

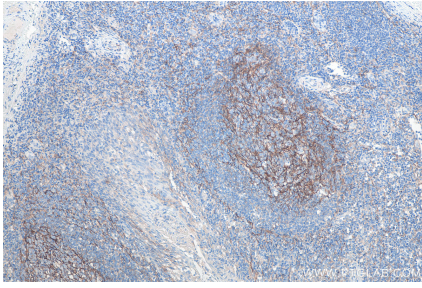
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

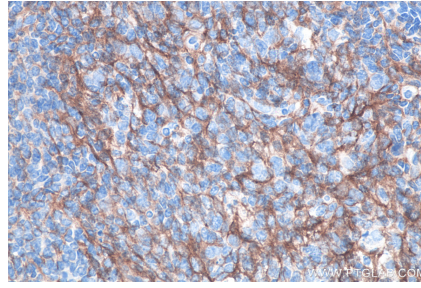
W: [ptgcn.com](http://ptgcn.com)

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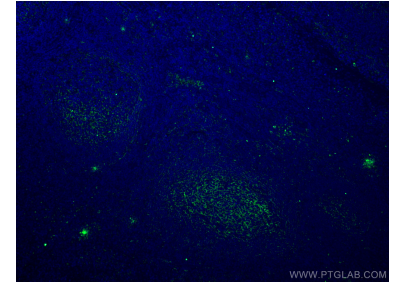
## Selected Validation Data



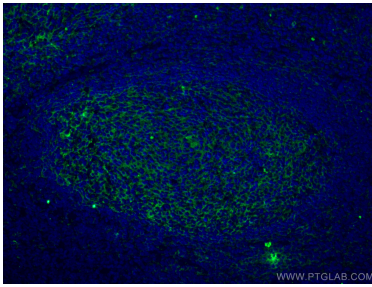
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66294-1-Ig (VCAM-1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66294-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66294-1-Ig (VCAM-1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66294-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using VCAM-1 antibody (66294-1-Ig, Clone: 1B12F12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66294-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using VCAM-1 antibody (66294-1-Ig, Clone: 1B12F12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66294-1-PBS in a different storage buffer formulation.