

For Research Use Only

# VCAM-1 Polyclonal antibody

Catalog Number: 11444-1-AP

Featured Product

45 Publications



## Basic Information

**Catalog Number:**

11444-1-AP

**Size:**

150UL, Concentration: 227 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1993

**GenBank Accession Number:**

BC017276

**GeneID (NCBI):**

7412

**Full Name:**

vascular cell adhesion molecule 1

**Calculated MW:**

739 aa, 81 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:400-1:1600

## Applications

**Tested Applications:**

IHC, ELISA

**Cited Applications:**

FC, IF, IHC

**Species Specificity:**

human

**Cited Species:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IHC : human tonsillitis tissue, human kidney tissue, human spleen tissue, human placenta tissue, human lung cancer tissue

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Conghui Liu	31623159	Molecules	IHC
Feng Jiang	30336203	Eur J Pharm Sci	WB
Yue Jin	25305479	Toxicol Lett	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

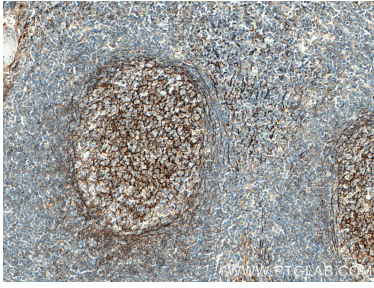
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

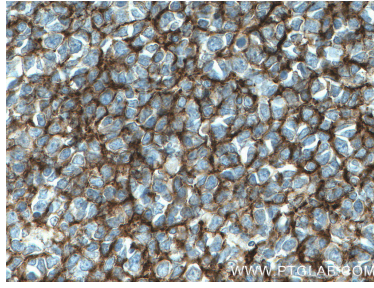
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11444-1-AP (VCAM-1 antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11444-1-AP (VCAM-1 antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).