

## VCAM-1 Antibody [clone 1.4C3] (V2922)

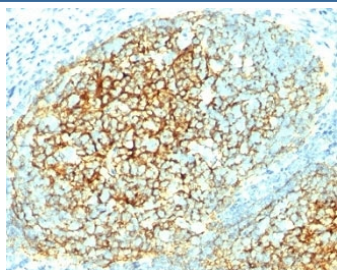
Catalog No.	Formulation	Size
V2922-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2922-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2922SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2922IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



Citations (10)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1.4C3
Purity	Protein G affinity chromatography
UniProt	P19320
Localization	Cytoplasmic, membrane
Applications	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This VCAM-1 antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human tonsil stained with VCAM-1 antibody (clone 1.4C3).

## Description

Recognizes a protein of 110kDa, identified as CD106 (also known as vascular cell adhesion molecule-1 (VCAM-1), L1CAM and INCAM-100). It is a member of the Ig superfamily of adhesion molecules and is expressed at high levels on cytokine stimulated vascular endothelial cells, and at minimal levels on un-stimulated endothelial cells. It is also present on follicular and inter-follicular dendritic cells of lymph nodes, myoblasts, and some macrophages. VCAM-1 serves as a ligand for leukocyte integrin (VLA-4 or CD49d/CD29) and mediates cell adhesion of leukocytes to activated endothelium. It plays a role in various immunological and inflammatory responses.

## Application Notes

Optimal dilution of the VCAM-1 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Stimulated human umbilical vein endothelial cells (HUVEC) were used as the immunogen for the VCAM-1 antibody.

## Storage

Store the VCAM-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).