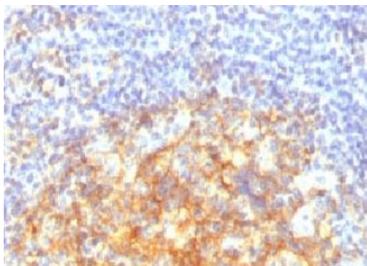


## VCAM-1 Antibody [clone CDLA106] (V7162)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V7162-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V7162-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V7162SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V7162IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

### Bulk quote request

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Mouse   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG1, kappa   |
| <b>Clone Name</b>         | CDLA106   |
| <b>Purity</b>             | Protein G affinity chromatography   |
| <b>UniProt</b>            | P19320  |
| <b>Localization</b>       | Cytoplasmic, membrane   |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1)<br>Prediluted IHC Only Format : incubate for 30 min at RT (2) |
| <b>Limitations</b>        | This VCAM-1 antibody is available for research use only.  |



IHC testing of FFPE human tonsil with VCAM-1 antibody (clone CDLA106).

## Description

Vascular cell adhesion molecule-1 (VCAM-1), also called L1CAM and CD106, is important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. [UniProt]

## Application Notes

Titering of the VCAM-1 antibody may be required for optimal performance.

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

Recombinant human protein was 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).