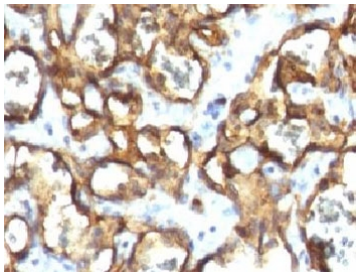
# CD34 Antibody [clone CDLA34-1] (V7174)

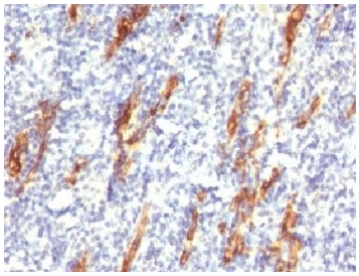
| Catalog No. | Formulation | Size |
|---|---|---|
| V7174-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7174-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7174SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V7174IHC-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

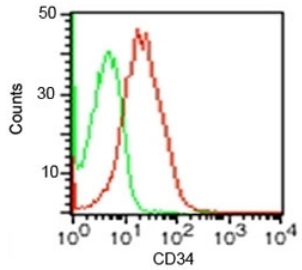
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | CDLA34-1 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P28906 |
| **Localization** | Cell surface |
| **Applications** | Flow Cytometry: 0.5-1ug/million cells in 0.1ml<br>Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT (1)<br>Prediluted IHC only format: incubate for 30 min at RT (2) |
| **Limitations** | This CD34 antibody is available for research use only. |



IHC testing of FFPE human angiosarcoma with CD34 antibody (clone CDLA34-1).



IHC testing of FFPE human tonsil with CD34 antibody (clone CDLA34-1).




FACS testing of human KG-1 cells with isotype control (green) and CD34 antibody (red).

## Description

The CD34 protein is a member of a family of single-pass transmembrane sialomucin proteins that show expression on early hematopoietic and vascular-associated tissue. CD34 is an important adhesion molecule and is required for T cells to enter lymph nodes. It is expressed on lymph node endothelia, whereas the L-selectin to which it binds is on the T cell. Conversely, under other circumstances CD34 has been shown to act as molecular Teflon and block mast cell, eosinophil and dendritic cell precursor adhesion, and to facilitate opening of vascular lumens. Finally, recent data suggest CD34 may also play a more selective role in chemokine-dependent migration of eosinophils and dendritic cell precursors. Regardless of its mode of action, under all circumstances CD34, and its relatives podocalyxin and endoglycan, facilitates cell migration. [Wiki]

## Application Notes

Titering of the CD34 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 full-length human protein was used as the immunogen for the CD34 antibody.

## Storage

Store the CD34 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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