



Product datasheet

Anti-VCAM1 antibody [VCAM1/843] ab216035

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-VCAM1 antibody [VCAM1/843] |
| Description | Mouse monoclonal [VCAM1/843] to VCAM1 |
| Host species | Mouse |
| Tested applications | Suitable for: IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant full length protein corresponding to Human VCAM1 aa 1 to the C-terminus. Database link: P19320 |
| |  Run BLAST with  Run BLAST with |
| Positive control | Human tonsil tissue |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA |
| Purity | Protein A/G purified |
| Purification notes | ab216035 was purified from Bioreactor Concentrate by Protein A/G. |
| Clonality | Monoclonal |
| Clone number | VCAM1/843 |
| Isotype | IgG1 |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab216035 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| IHC-P | | Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT). |

Target

Function

Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the beta-1 integrin VLA4 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation.

Tissue specificity

Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.

Sequence similarities

Contains 7 Ig-like C2-type (immunoglobulin-like) domains.

Domain

Either the first or the fourth Ig-like C2-type domain is required for VLA4-dependent cell adhesion.

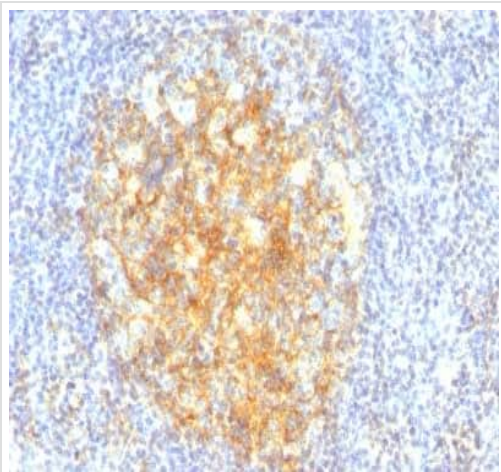
Post-translational modifications

Sialoglycoprotein.

Cellular localization

Membrane.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue labeling VCAM1 with ab216035 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VCAM1 antibody
[VCAM1/843] (ab216035)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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