

Product datasheet

Anti-VCAM1 antibody [VCAM1/843] - BSA and Azide free ab212938

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-VCAM1 antibody [VCAM1/843] - BSA and Azide free |
| Description | Mouse monoclonal [VCAM1/843] to VCAM1 - BSA and Azide free |
| 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 and placenta tissues. |
| General notes | <p>ab212938 is a carrier free version of ab216035.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein G purified |
| Purification notes | ab21635 was purified from Bioreactor Concentrate by Protein A/G. |
| Clonality | Monoclonal |
| Clone number | VCAM1/843 |
| Isotype | IgG1 |
| Light chain type | kappa |

Applications

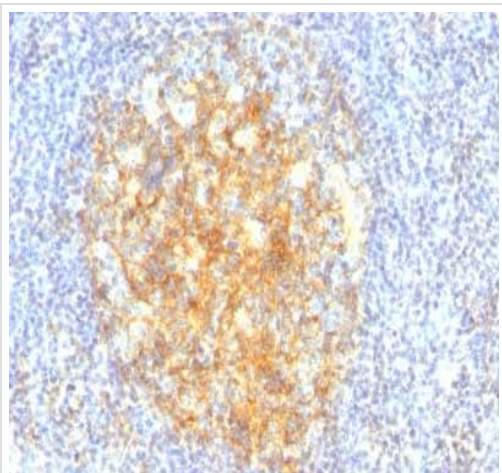
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab212938 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-P | | Use a concentration of 0.5 - 1 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

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|---|---|
| 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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VCAM1 antibody (ab212938)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab216035**).

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

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