

## Product datasheet

# Anti-VCAM1 antibody [1.G11B1] (Phycoerythrin) ab82438

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### Overview

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<b>Product name</b>	Anti-VCAM1 antibody [1.G11B1] (Phycoerythrin)
<b>Description</b>	Mouse monoclonal [1.G11B1] to VCAM1 (Phycoerythrin)
<b>Conjugation</b>	Phycoerythrin. Ex: 488nm, Em: 575nm
<b>Specificity</b>	ab82438 inhibits in vitro binding of lymphocytes and monocytes to VCAM1 on stimulated endothelium.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, IHC-Fr, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>General notes</b>	Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: 16% Sucrose, PBS and stabilizing agent.
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1.G11B1
<b>Isotype</b>	IgG1

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab82438** in the following tested applications.

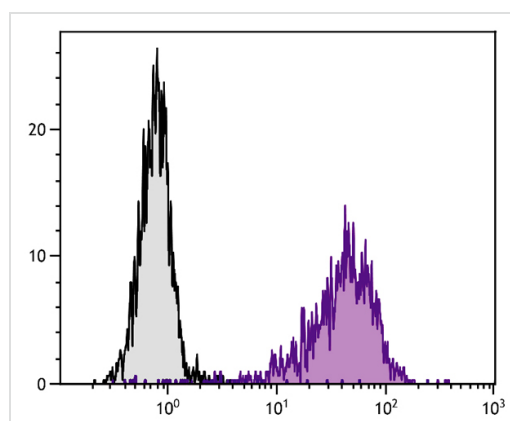
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 81 kDa.
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use 10µl for 10 <sup>6</sup> cells. <a href="#">ab91357</a> -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.
<b>Sequence similarities</b>	Contains 7 Ig-like C2-type (immunoglobulin-like) domains.
<b>Domain</b>	Either the first or the fourth Ig-like C2-type domain is required for VLA4-dependent cell adhesion.
<b>Post-translational modifications</b>	Sialoglycoprotein.
<b>Cellular localization</b>	Membrane.

## Images



Flow Cytometry - Anti-VCAM1 antibody [1.G11B1]  
(Phycoerythrin) (ab82438)

Flow cytometry analysis staining VCAM1 in HU-VEC-C cells using ab82438 at a dilution of 10 µL/10<sup>6</sup> cells. Mouse IgG1-PE was used as an isotype control.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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