

## Product datasheet

# Anti-VCAM1 antibody [MVCAM.A(429)] (FITC) ab23807

### 1 References

#### Overview

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<b>Product name</b>	Anti-VCAM1 antibody [MVCAM.A(429)] (FITC)
<b>Description</b>	Rat monoclonal [MVCAM.A(429)] to VCAM1 (FITC)
<b>Host species</b>	Rat
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Stromal cell line PA6

#### General notes

Clone MVCAM.A(429) is reported to partially block VCAM-1 mediated functions (Kinashi, T. and Springer, T.A. (1994)).

#### 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: 1% BSA, PBS, pH 7.4
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Primary antibody notes</b>	Clone MVCAM.A(429) is reported to partially block VCAM-1 mediated functions (Kinashi, T. and Springer, T.A. (1994)).
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MVCAM.A(429)
<b>Myeloma</b>	P3x63-Ag8.653
<b>Isotype</b>	IgG2a

#### Applications

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Our [Abpromise guarantee](#) covers the use of **ab23807** 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
Flow Cyt		1/50 - 1/100. Use 10µl of the suggested working dilution to label 106 cells in 100µl.

[ab18446](#) - Rat monoclonal IgG2a, 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.

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