

Product datasheet

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

1 References

Overview

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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Protein G purified
Purification notes	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Primary antibody notes	Clone MVCAM.A(429) is reported to partially block VCAM-1 mediated functions (Kinashi, T. and Springer, T.A. (1994)).
Clonality	Monoclonal
Clone number	MVCAM.A(429)
Myeloma	P3x63-Ag8.653
Isotype	IgG2a

Applications

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
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Flow Cyt		1/50 - 1/100. Use 10µl of the suggested working dilution to label 106 cells in 100µl.
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[ab18446](#) - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

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.

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