

Product datasheet

Anti-VCAM1 antibody [STA] (Phycoerythrin) ab33228

1 References 1 Image

Overview

<b>Product name</b>	Anti-VCAM1 antibody [STA] (Phycoerythrin)
<b>Description</b>	Mouse monoclonal [STA] to VCAM1 (Phycoerythrin)
<b>Host species</b>	Mouse
<b>Conjugation</b>	Phycoerythrin. Ex: 488nm, Em: 575nm
<b>Specificity</b>	Recognizes CD106, a 110kD cell surface protein predominantly expressed on activated vascular endothelium.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Cells of the DS6 T-cell line (Human)
<b>Positive control</b>	KM-H2 cells

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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>Clonality</b>	Monoclonal
<b>Clone number</b>	STA
<b>Myeloma</b>	NS1
<b>Isotype</b>	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab33228** in the following tested applications.

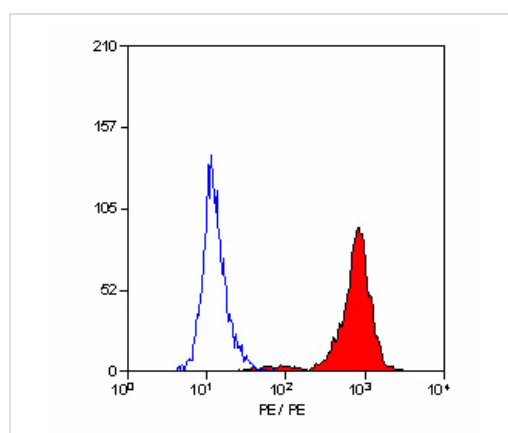
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/5. Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl.

## 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



Staining of KM-H2 cells with RPE-conjugated anti-VCAM1 (ab33228).

Flow Cytometry / FACS - VCAM1 antibody [STA]  
(Phycoerythrin) (ab33228)

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