

Product datasheet

Anti-VCAM1 antibody [STA] (Phycoerythrin) ab33228

1 References 1 Image

Overview

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

Properties

Form	Liquid
Storage instructions	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
Clonality	Monoclonal
Clone number	STA
Myeloma	NS1
Isotype	IgG1

Applications

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

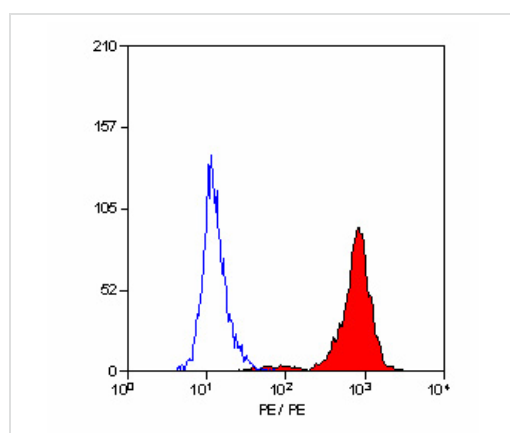
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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.

Images



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

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

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