Datasheet for ABIN135717

anti-VCAM1 antibody (FITC)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 tests
Target:	VCAM1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VCAM1 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Unknown
Clone:	1-G11B1
Isotype:	IgG1
Specificity:	Human/Porcine CD106, Mr 110 kDa
Characteristics:	Mouse Anti-Human CD106-FITC

Target Details

Target:	VCAM1
Alternative Name:	CD106 (VCAM1 Products)
Background:	CD106, also known as INCAM-1, is a 100-110 kDa vascular adhesion cell adhesion molecule-1 (VCAM-1) that is member of the immunoglobulin superfamily. CD106 is expressed

Target Details

	predominantly on cytokine-activated vascular endothelium but has also been identified on interfollicular dendritic cells, some macrophages and bone marrow stromal cells. Endothelial CD106 binds the integrins 41 (CD49d/CD29, VLA-4) and 47 and contributes to extravasation of lymphocytes, monocytes, basophils and eosinophils (but not neutrophils) from blood vessels, particularly at sites of inflammation. Unlike the 2 integrins, the CD106-VLA-4 interaction can mediate both the initial tethering and rolling of lymphocytes on endothelium as well as their subsequent arrest and firm adhesion. CD106 expressed on non-vascular tissues has been implicated in the interaction of hematopoietic progenitors with bone marrow stromal cells, B cell binding to follicular dendritic cells, costimulation of T cells, and embryonic development.
Pathways:	Carbohydrate Homeostasis

Application Details

Application Notes:	• **Applications:** FC - Quality tested , IHC-FS - Reported in literature , ICC - Reported in literature , IP - Reported in literature , WB-NR - Reported in literature , ELISA - Reported in literature , Block - Reported in literature , Adhesion - Reported in literature • **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, and PE conjugates 10 L/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
Restrictions:	For Research Use only

Handling

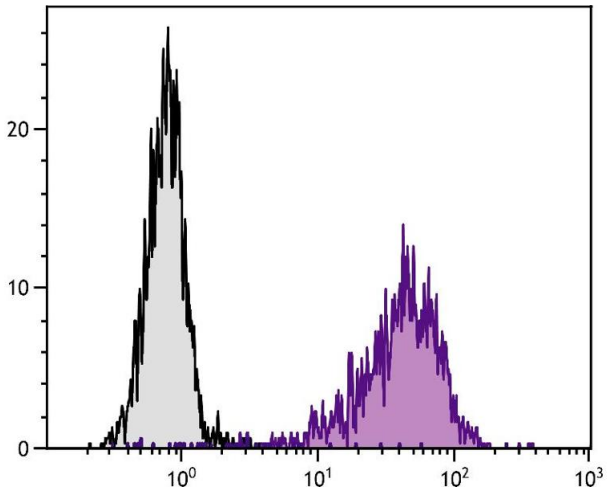
Buffer:	100 tests in 1.0 mL of PBS/Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Protect conjugated products from light.** Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C

Publications

Product cited in:	Silva-Pedrosa, Campos, Fernandes, Silva, Calçada, Marote, Martinho, Veiga, Rodrigues, Salgado, Ferreira: "Cerebral Malaria Model Applying Human Brain Organoids." in: **Cells**, Vol. 12, Issue 7, (

2023) (PubMed).

Images



Flow Cytometry

Image 1. TNFα stimulated human endothelial cell line HUV-EC-C was stained with Mouse Anti-Human CD106-PE.