EXBIO Antibodies

PRODUCT DATA SHEET

11-606-C100

Monoclonal Antibody to CD106 Purified Antibody (0.1 mg)

Clone:	STA
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody STA recognizes CD106 antigen (VCAM-1), a 100-110 kDa type I membrane protein of the immunoglobulin superfamily, a crucial mediator of leukocyte adhesion, and a costimulation molecule. HLDA V; WS Code A013
Regulatory Status:	RUO
Immunogen:	Human DS6 T cell line
Species Reactivity:	Human
Application:	Flow Cytometry Recommended dilution:4-6 µg/ml Positive control:TNF-alpha activated HUVEC cells Immunoprecipitation Immunohistochemistry (frozen sections) Application note:acetone fixation ELISA Application note: capture mAb for soluble CD106
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8ºC. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD106 / VCAM-1 (vascular cell adhesion molecule-1) is an Ig-like cell surface adhesion molecule binding VLA-4 integrin. VCAM-1 is a potent T cell costimulatory molecule taking part in their positive selection and survival, as well as in adhesion, transendothelial migration and activation of peripheral T cells. VCAM-1 is also involved in endothelial cell-cell contacts. Whereas VCAM-1 normally mediates leukocyte extravasion to sites of tissue inflammation, tumour cells can use overexpressed VCAM-1 to escape T cell immunity. Soluble form of VCAM-1 (sVCAM-1) is an inflammatory marker and can be used also in prognosis of subsequent cariovascular events following acute coronary syndromes.

For laboratory research only, not for drug, diagnostic or other use.

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References:

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