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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
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Purified Mouse anti-Human CD106 Monoclonal Antibody

CLX420AP
Lot:

Size:	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 co-stimulation molecule. **HLDA V; WS Code A013**
Immunogen:	Human DS6 T cell line
Species Reactivity:	Human
Application:	**Flow Cytometry** *Recommended dilution:*4-6 mg/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 from ascites 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 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Continued…

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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 ofsubsequent cariovascular events following acute coronary syndromes.

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Laboratory Reagent For Research Use Only

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