

### 30-1424: Anti-CD106 / VCAM-1 Monoclonal Antibody (Clone:STA)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	STA
<b>Application :</b>	FACS, IP, IHC-Fr, ELISA
<b>Reactivity :</b>	Human
<b>Gene :</b>	VCAM1
<b>Gene ID :</b>	7412
<b>Uniprot ID :</b>	P19320
<b>Format :</b>	Purified
<b>Alternative Name :</b>	VCAM1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human DS6 T cell line

#### Description

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 cardiovascular events following acute coronary syndromes.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution:* 4-6  $\mu\text{g/ml}$

*Positive control:* TNF-alpha activated HUVEC cells

**Immunoprecipitation Immunohistochemistry (frozen sections)** *Application note:* acetone fixation

**ELISA** *Application note:* capture mAb for soluble CD106