

### 30-2697: Anti-Hu CD49e Purified (Clone SAM1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SAM1
<b>Application :</b>	IP,IHC,FACS
<b>Reactivity :</b>	Human,Non-Human Primates
<b>Gene :</b>	ITGA5
<b>Gene ID :</b>	3678
<b>Uniprot ID :</b>	P08648
<b>Format :</b>	Purified
<b>Alternative Name :</b>	VLA5 alpha, integrin 5 alpha, FNRA
<b>Isotype :</b>	Mouse IgG2b
<b>Immunogen Information :</b>	U937 cells

#### Description

CD49e (VLA5 alpha) is a type I transmembrane glycoprotein of the integrin alpha subclass (integrin 5 alpha), expressed on thymocytes, early and activated B cells, monocytes, NK cells, dendritic cells, osteoblast and endothelial cells. It binds to RGD sequence in fibronectin and to neural adhesion molecule L1. CD49e interactions are important for maintaining the integrity of the endothelial monolayer, as well as it is involved in monocyte migration, T cell costimulation, regulation of cell survival, and other.

**Specificity :**The mouse monoclonal antibody SAM1 recognizes an extracellular epitope of CD49e (integrin 5 alpha), a transmembrane glycoprotein expressed on thymocytes, early and activated B cells, monocytes, NK cells, dendritic cells, osteoblast and endothelial cells.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	1 mg/ml Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.

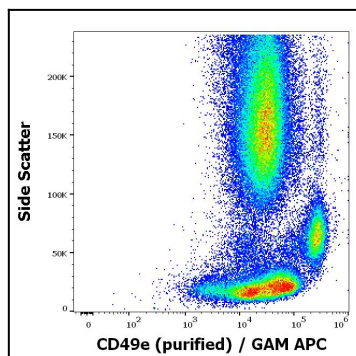


Figure 1 :Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD49e (SAM1) purified antibody (concentration in sample 1,7 1/4g/ml, GAM APC).

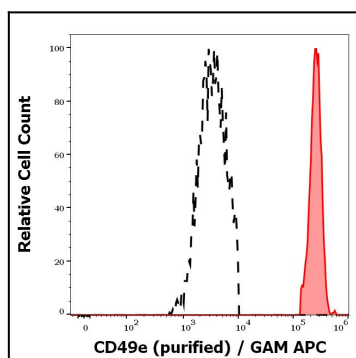


Figure 2 :Separation of human CD49e positive monocytes (red-filled) from human CD49e negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD49e (SAM1) purified antibody (concentration in sample 1,7 1/4g/ml, GAM APC).