

30-2697: Anti-Hu CD49e Purified

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

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

Application Note

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

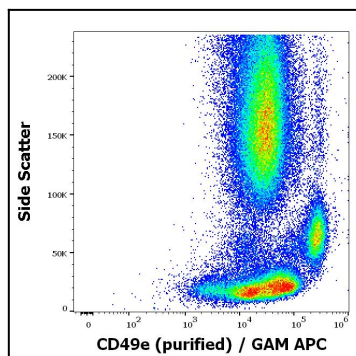


Figure 1 :Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD49e (SAM1) purified antibody (concentration in sample 1,7 µg/ml, GAM APC).

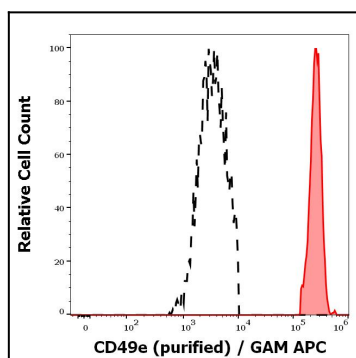


Figure 2 :Separation of human CD49e positive monocytes (red-filled) from human CD49e negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD49e (SAM1) purified antibody (concentration in sample 1,7 µg/ml, GAM APC).