

ARG22497 anti-CD49a / Integrin alpha 1 antibody [TS2/7] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [TS2/7] recognizes CD49a / Integrin alpha 1 This antibody recognizes the human alpha 1 integrin sub-unit, which forms the VLA-1 heterodimer in association with the beta 1 integrin. VLA-1 is a receptor for collagen and laminin, and is expressed by chronically activated T cells, melanoma cells and smooth muscle cells.
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	TS2/7
Isotype	IgG1
Target Name	CD49a / Integrin alpha 1
Species	Human
Immunogen	Human CTL line directed against HLA-DR.
Conjugation	PE
Alternate Names	VLA-1; CD49a; Integrin alpha-1; Laminin and collagen receptor; VLA1; CD antigen CD49a; CD49 antigen-like family member A

Application Instructions

Application table	Application	Dilution
	FACS	Neat - 1:10

Application Note
FACS: Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA and 5% Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ITGA1
Gene Full Name	integrin, alpha 1
Background	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding. [provided by RefSeq, Jul 2008]
Function	Integrin alpha-1/beta-1 is a receptor for laminin and collagen. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. Involved in anchorage-dependent, negative regulation of EGF-stimulated cell growth. [UniProt]
Calculated Mw	131 kDa