

## ARG10853 anti-CD49e / Integrin alpha 5 antibody [SNAKA51]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [SNAKA51] recognizes CD49e / Integrin alpha 5
Tested Reactivity	Hu
Tested Application	FuncSt, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	SNAKA51
Isotype	IgG2a, kappa
Target Name	CD49e / Integrin alpha 5
Species	Human
Immunogen	Whole cells corresponding to Human CD49e.
Conjugation	Un-conjugated
Alternate Names	CD49e; CD49 antigen-like family member E; Integrin alpha-F; Fibronectin receptor subunit alpha; CD antigen CD49e; VLA-5; FNRA; VLA5A; Integrin alpha-5

### Application Instructions

Application table	Application	Dilution
	FuncSt	Assay-dependent
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	ICC/IF: A representative lot of this antibody detected Integrin alpha 5 in Primary human foreskin fibroblasts (hFF). Activity Assay: A representative lot of this antibody converts alpha5 beta1 integrin into a ligand competent form and promotes fibronectin binding. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa cells.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. 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

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Gene Symbol	ITGA5
Gene Full Name	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
Background	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. Integrin alpha 5 and integrin alpha V chains are produced by distinct genes. [provided by RefSeq, Jan 2015]
Function	Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. [UniProt]
Calculated Mw	115 kDa
PTM	Proteolytic cleavage by PCSK5 mediates activation of the precursor. [UniProt]