

ARG22042 anti-CD49e / Integrin alpha 5 antibody [5H10.27]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [5H10.27] recognizes CD49e / Integrin alpha 5
Tested Reactivity	Ms
Tested Application	BL, FACS, IHC-Fr
Specificity	Mouse CD49e
Host	Rat
Clonality	Monoclonal
Clone	5H10.27
Isotype	IgG2a, kappa
Target Name	CD49e / Integrin alpha 5
Species	Mouse
Immunogen	C57BL/6 x A/J F1 Mouse mast cell line MC/9
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
	BL	Assay-dependent
	FACS	< 1 µg/10 ⁶ cells
	IHC-Fr	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml
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. 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.

Database links	GeneID: 16402 Mouse Swiss-port # P11688 Mouse
Gene Symbol	ITGA5
Gene Full Name	integrin alpha 5 (fibronectin receptor alpha)
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]
Highlight	Related products: CD49e antibodies: Anti-Rat IgG secondary antibodies:
Calculated Mw	115 kDa
PTM	Proteolytic cleavage by PCSK5 mediates activation of the precursor.