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Anti-ITGA3 / CD49c Antibody (clone P1B5)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18292

Product Information

Application	IHC-P, IF, IP, FC
Primary Accession	P26006
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Names	P1B5
Calculated MW	116612
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	3675
Alias Symbol	ITGA3
Other Names	ITGA3, Alpha3 integrin, CD49c antigen, CD49C, GAPB3, Integrin alpha-3, FRP-2, VCA-2, VLA-3 subunit alpha, VL3A, VLA3a, Galactoprotein B3, GAP-B3, ILNEB, Integrin alpha3, MSK18
Reconstitution & Storage	Protein G purified
Precautions	Anti-ITGA3 / CD49c Antibody (clone P1B5) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ITGA3
Synonyms	MSK18
Function	Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Integrin alpha- 3/beta-1 provides a docking site for FAP (seprase) at invadopodia plasma membranes in a collagen-dependent manner and hence may participate in the adhesion, formation of invadopodia and matrix degradation processes, promoting cell invasion. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor. Cell projection, invadopodium membrane; Single-pass type I membrane protein. Cell projection, filopodium membrane; Single-pass type I

	membrane protein. Note=Enriched preferentially at invadopodia, cell membrane protrusions that correspond to sites of cell invasion, in a collagen-dependent manner.
Tissue Location	Isoform 1 is widely expressed. Isoform 2 is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform 1 is strongly expressed on vascular smooth muscle cells, isoform 2 is detected only on endothelial vein cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.