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# Anti-ITGA3 / CD49c Antibody (clone P1B5)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18292

## Product Information

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| **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

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| **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

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| **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 |

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| | 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. |