



11-137-C100

Monoclonal Antibody to CD49c / Integrin alpha 3 Purified Antibody (0.1 mg)

Clone:	ASC-1
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody ASC-1 recognizes CD49c (integrin alpha 3), a transmembrane glycoprotein composed of disulfide linked 125 kDa and 30 kDa chains, and expressed on adherent cell lines and to a lesser extent on T and B cells and monocytes. HLDA VI; WS Code A002
Regulatory Status:	RUO
Immunogen:	Human SSC-9 cell line (squamous cell carcinoma)
Species Reactivity:	Human
Application:	Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections)
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD49c / Integrin alpha 3 is a type I transmembrane glycoprotein proteolytically cleaved into two disulfide linked chains. It noncovalently associates with CD29 (integrin beta 1) to form the VLA-3 complex, an adhesion receptor for extracellular matrix components (fibronectin, laminin 1, laminin 5, entactin, and collagen). It is expressed on adherent cells, mainly on fibroblasts, epithelial cells and endothelial cells.
References:	*Pattaramalai S, Skubitz KM, Skubitz AP: A novel recognition site on laminin for the alpha 3 beta 1 integrin. <i>Exp Cell Res.</i> 1996 Feb 1;222(2):281-90. *Skubitz AP, Bast RC, Wayner EA, Letourneau PC, Wilke MS: Expression of alpha 6 and beta 4 integrins in serous ovarian carcinoma correlates with expression of the basement membrane protein laminin. <i>Am J Pathol.</i> 1996 May;148(5):1445-61.

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