CD104 (Integrin Beta-4) (Squamous Cell Carcinoma Antigen) Antibody

Mouse Monoclonal Antibody [Clone UM-A9]

Catalog No	Format	Size
3691-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3691-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3691-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

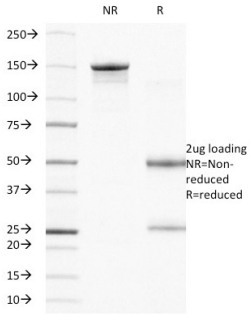
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	UM-A9
Gene Name	ITGB4
Immunogen	Human squamous cell carcinoma (UM-SCC1)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	205kDa
Cellular Localization	Cell junction, Cell membrane, Hemidesmosome
Species Reactivity	Human
Positive Control	A431 cells, colon or placenta., squamous cell carcinoma

**Optimal dilution for a specific application should be determined.*

Product Images for CD104 (Integrin Beta-4) (Squamous Cell Carcinoma Antigen) Antibody



SDS-PAGE Analysis of Purified CD104 Mouse Monoclonal Antibody (UMA9).
Confirmation of Integrity and Purity of Antibody

Specificity & Comments

Recognizes a protein of 205kDa, which is identified as integrin beta-4 (ITGB4). Its epitope is localized in the extracellular domain of ITGB4 protein. Integrins are heterodimers comprised of alpha and beta subunits, that are non-covalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta-4 subunit, a receptor for the laminins. This subunit tends to associate with alpha-6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, AKT Signaling, Basal Cell Marker, Endothelial Cell Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.