

## 36-2625: Anti-CD104 (Integrin Beta-4) (Squamous Cell Carcinoma Antigen) Monoclonal Antibody(Clone: UM-A9)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	UM-A9
<b>Application :</b>	FACS,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	ITGB4
<b>Gene ID :</b>	3691
<b>Uniprot ID :</b>	P16144
<b>Alternative Name :</b>	GP150; Integrin beta-4; ITGB4
<b>Isotype :</b>	Mouse IgG2a, kappa
<b>Immunogen Information :</b>	Human squamous cell carcinoma (UM-SCC1)

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

Biological Blockade (Partially blocks laminin binding) (Order Ab without Azide); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

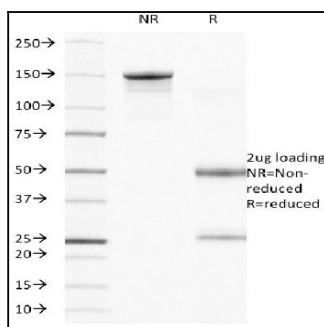


Fig. 1: SDS-PAGE Analysis Purified CD104 Mouse Monoclonal Antibody (UMA9). Confirmation of Integrity and Purity of Antibody