



Datasheet for ABIN6939831 anti-Integrin beta 4 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	Integrin beta 4 (ITGB4)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin beta 4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Blocking Reagent (BR), Binding Studies (Bind)

Product Details

Immunogen:	Human squamous cell carcinoma (UM-SCC1)
Clone:	UM-A9
Isotype:	IgG2a kappa
Specificity:	Recognizes a protein of 205 kDa, 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

Product Details

spliced transcript variants encoding distinct isoforms have been found for this gene.

Purification: Purified by Protein A/G

Target Details

Target: Integrin beta 4 (ITGB4)

Alternative Name: ITGB4 ([ITGB4 Products](#))

Molecular Weight: 205kDa

Gene ID: 3691

UniProt: [P16144](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Positive Control: A431 cells, squamous cell carcinoma, colon or placenta.
Known Application: Biological Blockade (Partially blocks laminin binding) (Order Ab without Azide), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

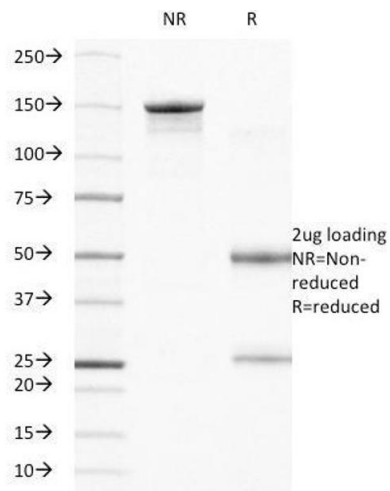
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: 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.

Expiry Date: 24 months



SDS-PAGE

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