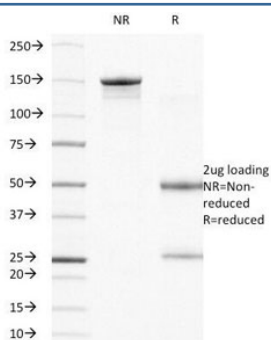


Integrin Beta 4 Antibody / ITGB4 / CD104 [clone UM-A9] (V2163)

Catalog No.	Formulation	Size
V2163-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2163-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2163SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	UM-A9
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3691
Localization	Cell surface
Applications	Flow cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This Integrin Beta 4 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free Integrin Beta 4 Antibody (clone UM-A9). Confirmation of Integrity and Purity of the Antibody.

Description

This antibody recognizes a protein of 205kDa, which is identified as integrin beta 4 (ITGB4) and CD104. Its epitope is localized in the extracellular domain of integrin beta 4 protein. Integrins are heterodimers comprised of a and b subunits, that are non-covalently associated transmembrane glycoprotein receptors. Different combinations of a and b 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

Immunogen

The human squamous cell carcinoma line (UM-SCC1) was used as the immunogen for this Integrin beta 4 / CD104 antibody.

Storage

Store the Integrin Beta 4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

GP150; ITGB4, CD104 antibody, Integrin beta-4 antibody

References (2)