Human Integrin β4/CD104 Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4060N
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β4/CD104 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant mouse Integrin β4 is observed and less than 1% cross-reactivity with recombinan
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin β4/CD104 Asn28-Ser710 Accession # P16144
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Integrin beta 4 (also known as GP150 and CD104) is a 150-200 kDa member of the Integrin beta family. It forms noncovalent heterodimers with Integrin α6 and participates in the formation of epithelial hemidesmosomes. Human Integrin β4 is a type I transmembrane glycoprotein that is 1795 amino acids (aa) in length. It contains a 683 aa extracellular domain (ECD) (aa 28-710) and a large 1089 aa cytoplasmic region. Two ECD alternate splice forms may exist. One shows an 84 aa substitution for the 84 aa between aa 621-704. A second shows a 144 aa substitution for the first 704 amino acids. Human Integrin β4 ECD shares 88% sequence identity with mouse Integrin β4 ECD.

PRODUCT SPECIFIC NOTICES

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