

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin β 4/CD104 in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human Integrin β 4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin β 4/CD104 Asn29-Cys707 Accession # NP_001005608
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.

Western Blot 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 β 4 (also GP150 and CD104) is a 150-180 kDa member of the integrin beta family of molecules. It is found on keratinocytes, Schwann cells and perineural fibroblasts, and participates in the formation of epithelial hemidesmosomes by forming noncovalent heterodimers with Integrin α 6. Mature mouse Integrin β 4 is a type I transmembrane glycoprotein that is 1774 amino acids (aa) in length. It contains a 683 aa extracellular domain (aa 29-711) and a large 1068 aa cytoplasmic region. Three variant splice forms may exist. One shows a GlyGluHis insertion after Leu1103, a second shows a deletion of aa 1447-1499, and a third shows the same deletion accompanied by an insertion of 65 aa after Thr1367. Over aa 29-711, mouse β 4 shares 88% and 96% aa identity with human and rat β 4, respectively.

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