

For Research Use Only

Anti-Human Integrin beta 4 Rabbit Recombinant Antibody

Catalog Number: 98774-1-RR



Basic Information

Catalog Number:

98774-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG10479

GenBank Accession Number:

GeneID (NCBI):

3691

Full Name:

integrin, beta 4

Purification Method:

Protein A purification

CloneNo.:

252740E5

Recommended Dilutions:

IHC: 1:500-1:2000

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, FC

Species Specificity:

human

Positive Controls:

IHC : human skin tissue,

FC : A431 cells, HT-29 cells

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin beta-4 is predominantly expressed in squamous epithelial cells, endothelial cells, immature thymocytes, Schwann cells, and fibroblasts of the peripheral nervous system (PMID: 28084395). Integrin beta-4 pairs with alpha-6, and the heterodimeric integrin alpha-6/beta-4 is a receptor for laminin. Integrin alpha-6/beta-4 plays a critical structural role in the hemidesmosome of epithelial cells, and also plays a role in the invasive and metastatic phenotype of various cancers.

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

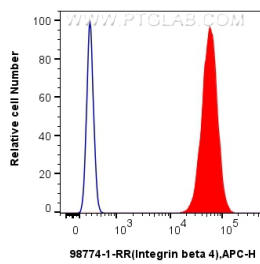
T: 4006900926

E: Proteintech-CN@ptglab.com

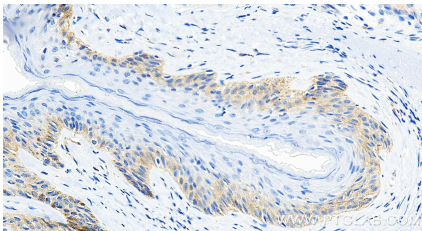
W: ptgcn.com

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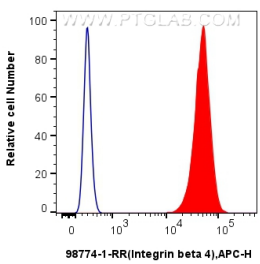
Selected Validation Data



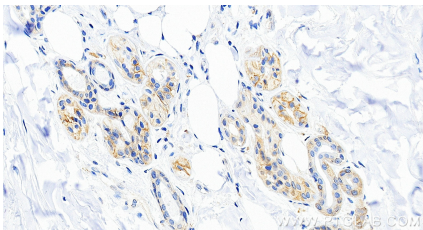
1x10⁶ A431 cells were surface stained with 0.25 ug Anti-Human Integrin beta 4 Rabbit RecAb (98774-1-RR, Clone: 252740E5) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



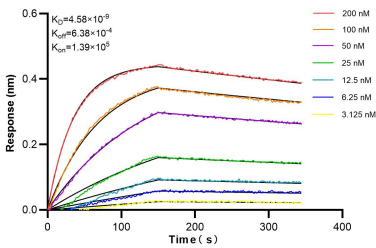
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 98774-1-RR (Integrin beta 4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HT-29 cells were surface stained with 0.25 ug Anti-Human Integrin beta 4 Rabbit RecAb (98774-1-RR, Clone: 252740E5) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 98774-1-RR (Integrin beta 4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 98774-1-RR against Human Integrin beta 4 were performed. The affinity constant is 4.58 nM.