

For Research Use Only

Anti-Human Integrin beta 4 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98774-1-PBS



Basic Information

Catalog Number:

98774-1-PBS

Size:

1mg, 3 mg/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

Applications

Tested Applications:

IHC, FC

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

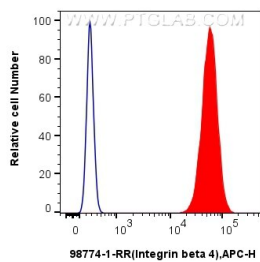
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

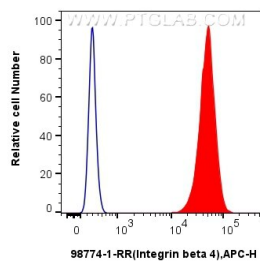
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

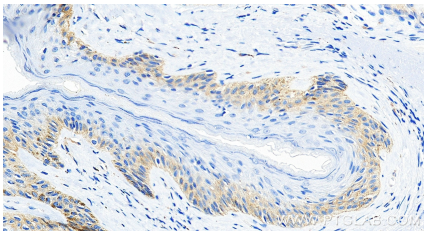
Selected Validation Data



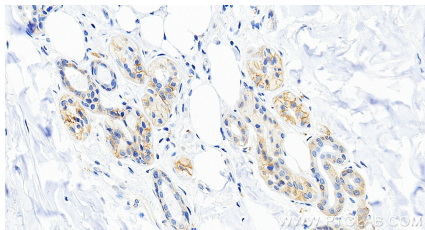
1x10⁶ A431 cells were surface stained with 0.25 ug Anti-Human Integrin beta 4 Rabbit RecAb (98774-1-RR, Clone: 252740E5) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98774-1-PBS in a different storage buffer formulation.



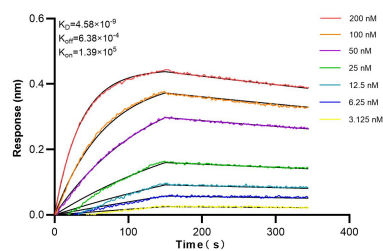
1x10⁶ HT-29 cells were surface stained with 0.25 ug Anti-Human Integrin beta 4 Rabbit RecAb (98774-1-RR, Clone: 252740E5) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98774-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 98774-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 98774-1-PBS in a different storage buffer formulation.



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