

For Research Use Only

# Integrin Beta 4 Monoclonal antibody, PBS Only



Catalog Number: 66922-2-PBS

## Basic Information

<b>Catalog Number:</b> 66922-2-PBS	<b>GenBank Accession Number:</b> BC126411	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 3691	<b>CloneNo.:</b> 1C2A11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P16144	
<b>Isotype:</b> IgG1	<b>Full Name:</b> integrin, beta 4	
<b>Immunogen Catalog Number:</b> AG17395	<b>Calculated MW:</b> 1752 aa, 195 kDa	
	<b>Observed MW:</b> 200-210 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**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 -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS only

Aliquoting is unnecessary for -20°C storage

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

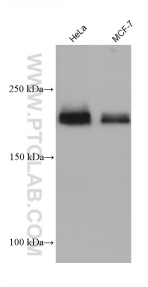
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66922-2-Ig (Integrin Beta 4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66922-2-PBS in a different storage buffer formulation.