

For Research Use Only

# Anti-Mouse PLVAP (MECA-32)

Catalog Number: 65214-1-Ig



## Basic Information

<b>Catalog Number:</b> 65214-1-Ig	<b>GenBank Accession Number:</b> BC013517	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 84094	<b>CloneNo.:</b> MECA-32
<b>Source:</b> Rat	<b>UNIPROT ID:</b> Q91VC4	<b>Recommended Dilutions:</b> IF 1:125-1:500
<b>Isotype:</b> IgG2a, kappa	<b>Full Name:</b> plasmalemma vesicle associated protein	

## Applications

<b>Tested Applications:</b> FC, IF	<b>Positive Controls:</b> IF : mouse small intestine tissue,
<b>Species Specificity:</b> Mouse	

## Background Information

Plasmalemma vesicle-associated protein (PLVAP), also known as PV-1, PAL-E and MECA-32 antigen, is an endothelial cell-specific type II membrane N-glycosylated glycoprotein with a molecular weight of approximately 50-65 kDa, that forms homodimers in situ (PMID: 7626790; 30231925). The MECA-32 antibody, derived from rats immunized with murine lymph node stroma, shows high specificity for mouse endothelium in both embryonic and mature tissues (PMID: 2683264; 7626790). It recognizes most endothelial cells in the embryonic and in the adult mouse, with the exception of the brain, skeletal, and cardiac muscle, where the MECA-32 antigen has a more restricted distribution. In skeletal and cardiac muscle only small arterioles and venules express the MECA-32 antigen, while in the brain its expression is negatively correlated with the differentiation of the vasculature to form the blood brain barrier (PMID: 7626790).

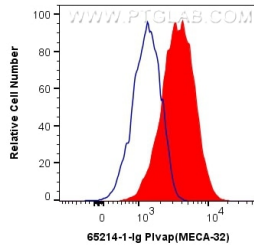
## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide.

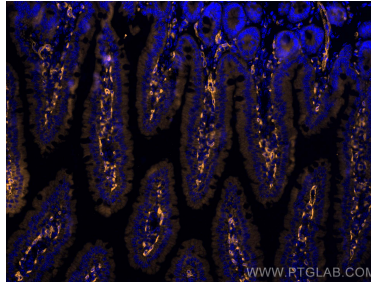
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



1X10<sup>6</sup> bEnd.3 cells were surface stained with 0.5 ug Anti-Mouse Plvap (65214-1-Ig, Clone:MECA-32) (red), or 0.5 ug Isotype Control. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using PLVAP antibody (65214-1-Ig, Clone: MECA-32 ) at dilution of 1:250 and Rhodamine (TRITC)-conjugated Goat Anti-Rat IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).