PE Anti-Mouse PLVAP (MECA-32)

Catalog Number: **PE-65214**

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
PE-65214

Size:
100ug, 0.2 mg/ml

Source:
Rat

Isotype:
IgG2a, kappa

GenBank Accession Number:
BC013517

GeneID (NCBI):
84094

UNIPROT ID:
Q91VC4

Full Name:
plasmalemma vesicle associated protein

Purification Method:
Protein A purification

CloneNo.:
MECA-32

Excitation/Emission maxima wavelengths:
496 nm, 565 nm / 578 nm

Applications

Tested Applications:
FC

Species Specificity:
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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.
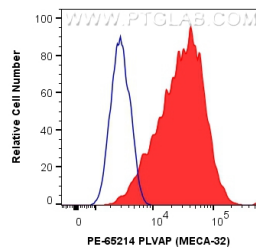
For technical support and original validation data for this product please contact:
T: 4006900926   E: Proteintech-CN@ptglab.com   W: ptgcn.com

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

Selected Validation Data

1X10^6 bEnd.3 cells were surface stained with 0.1 ug PE Anti-Mouse PLVAP (PE-65214, Clone:MECA-32) (red), or 0.1 ug PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3) (blue). Cells were not fixed.
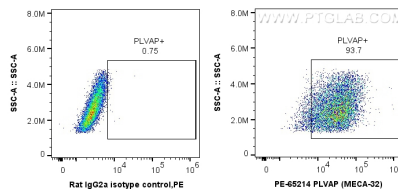
1X10^6 bEnd.3 cells were surface stained with 0.1 ug PE Anti-Mouse PLVAP (PE-65214, Clone:MECA-32), or 0.1 ug PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3). Cells were not fixed.