FITC Plus Anti-Mouse PLVAP (MECA-32)

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Antibodies | ELISA kits | Proteins
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Catalog Number:**FITC-65214**   **1 Publications**

Basic Information

Catalog Number:
FITC-65214

Size:
100ug , 0.5 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:
495 nm / 524 nm

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
mouse

Cited Species:
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zheng Fan	38941187	Cell Rep	FC

Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
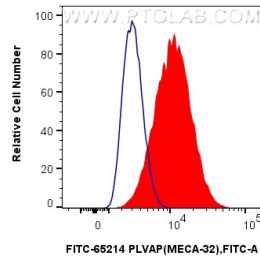**Storage Buffer:**
PBS with 0.09% sodium azide.

Selected Validation Data

FITC-65214 PLVAP(MECA-32),FITC-A

1x10^6 bEnd.3 cells were surface stained with 0.25 ug FITC Plus Anti-Mouse PLVAP (MECA-32) (FITC-65214, Clone: MECA-32) (red) or 0.25 ug FITC Plus Rat IgG2a Isotype Control (2A3) (FITC-65209, Clone: 2A3) (blue). Cells were not fixed.