

For Research Use Only

CoraLite®594 Anti-Mouse PLVAP (MECA-32)



Catalog Number:CL594-65214

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL594-65214	BC013517	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ug, 0.5 mg/ml	84094	MECA-32
Source:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
Rat	Q91VC4	588 nm / 604 nm
Isotype:	Full Name:	
IgG2a, kappa	plasmalemma vesicle associated protein	

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).

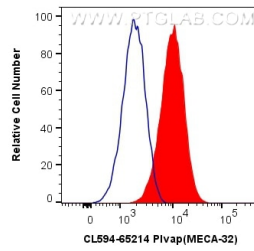
Storage

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, pH 7.3.

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

Selected Validation Data



1X10⁶ bEnd.3 cells were surface stained with 1 ug CoraLite®594 Anti-Mouse Plvap (CL594-65214, Clone:MECA-32) (red), or 1 ug Isotype Control. Cells were not fixed.