

Plvap

Rat Anti-Mouse Pan-endothelial Cell Antigen Clone MECA-32 mAb

Catalog No.	CMP027	Quantity:	50 µg
Alternate Names:	Plasmalemma vesicle-associated protein, MECA-32 antigen, PV-1		
Description:	The MECA-32 antibody reacts with a dimer of 50-55-kDa subunits expressed on most or all endothelial cells in the embryonic and adult mouse, with the exception of cardiac and skeletal muscle and the brain. Typically in skeletal and cardiac muscle, MECA-32 antigen expression is limited to small arterioles and venules; however, under conditions of inflammation, it can be induced on previously non-expressing vessels in cardiac muscle. In the central nervous system (CNS), the panendothelial cell antigen expression is developmentally regulated. During embryonic development, the antigen is found on brain vasculature up to day 16 of gestation, after which it disappears. The cessation of MECA-32 antigen expression in the CNS may be associated with the establishment of the blood-brain barrier, which begins on day 16 of gestation. In the adult mouse, inflammation in the CNS can lead to re-expression of the panendothelial cell antigen.		
UniProt ID:	Q91VC4		
Gene ID:	89094		
Specificity:	The MECA-32 antibody reacts with the "Plasmalemma vesicle-associated protein", a dimer of 50-55 kDa subunits expressed on most or all endothelial cells surfaces in the embryonic and adult mouse, with the exception of cardiac and skeletal muscle and the brain.		
Host:	Rat		
Immunogen:	Mouse lymph-node stromal cells.		
Isotype:	IgG _{2a}		
Clone:	MECA-32		
Formulation:	Lyophilized from PBS solution, pH 7.4 without preservative.		
Purification:	Protein G affinity chromatography.		
Reconstitution:	When reconstituted in sterile water to a concentration of 1.0 mg/ml the antibody is stable for at least six weeks at 2-4°C.		
Cross-Reactivity:	The MECA-32 antibody is specific for mouse BECs but not LECs.		
Applications:	This antibody has been tested by immunofluorescent staining (= 1 µg/million cells) with flow cytometric analysis (FACS) to assure specificity and reactivity. Other reported applications include immunoprecipitation (IP), immunohistochemical staining (IHC) of acetone frozen sections, immunocytochemistry, and western blot analysis (WB). Optimal dilutions should be determined by each laboratory for each application.		
Storage & Stability:	Store as supplied for up to 1 year at 2-8°C. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

