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Product datasheet for AM05595BT-N

PLVAP Rat Monoclonal Antibody [Clone ID: MECA-32]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MECA-32
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry. Immunohistochemistry on frozen sections: 1/10.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognises plasmalemma vesicle-associated protein (PLVAP).
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN3) and 1% Bovine Serum Albumin Label: Biotin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	plasmalemma vesicle associated protein
Database Link:	Q9BX97

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Background: PLVAP is a 60kD protein which is otherwise known as MECA-32 and PV-1. PLVAP is a transmembrane homodimer which is associated with endothelial cell caveolae and fenestrae. In adult and embryonic mice, PLVAP is primarily expressed on endothelial tissues but shows restricted distribution in the skeletal, cardiac and brain tissues. In embryonic mice, PLVAP expression, on the vasculature associated with blood brain barrier has been reported to be developmentally regulated. In humans, PLVAP is selectively up-regulated in a variety of high-grade brain tumors, including glioblastoma and metastatic carcinoma, as well as other cerebral disorders associated with blood-brain barrier disruption, such as acute ischemia. PLVAP represents a novel marker of brain tumour angiogenesis and integrity of the blood-brain barrier and is a potential therapeutic target.

Synonyms: Plasmalemma vesicle protein 1, PV1, PV-1, MECA-32 antigen, FELS, Endothelial cell marker, Endothelial cell surface marker, Endothelial Cell Antigen