

Product datasheet for **AM26203FC-N**

PLVAP Mouse Monoclonal Antibody [Clone ID: 174/2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	174/2
Applications:	IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections. Flow cytometry. Immunofluorescence. Western blot. Typical starting working dilution is 1:50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts with human plasmalemma vesicle associated protein (PLVAP).
Formulation:	PBS Label: FITC State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	FITC
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	plasmalemma vesicle associated protein
Database Link:	Entrez Gene 83483 Human Q9BX97



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Background:

PLVAP is a 60 kDa type II transmembrane glycoprotein which tends to form homodimers. PLVAP is widely expressed in the vasculature of normal tissues. The vascular staining pattern of PLVAP is quite unique among the endothelial cell antigens, since expression of other antigens (like ICAM-1, P-selectin, E-selectin or VCAM-1) is not limited to vascular endothelial cells. PLVAP expression in the vascular endothelial cells of the CNS is lost in association with formation of an intact blood-brain barrier. However, in the endothelium of human brain tumors expression of PLVAP is specifically up-regulated, making it a suitable antiangiogenic target for brain tumor therapy and cerebral edema. Furthermore, PLVAP is expressed in the vasculature of most other human tumors and as such useful as marker for tumor angiogenesis.

Synonyms:

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