

## ARG23271 anti-PLVAP antibody [MECA-32]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rat Monoclonal antibody [MECA-32] recognizes PLVAP Rat anti Mouse PLVAP antibody, clone MECA-32 recognizes murine plasmalemma vesicle-associated protein (PLVAP), a ~60 kDa protein also known as MECA-32 and PV-1. PLVAP is a transmembrane homodimer associated with endothelial cell caveolae and fenestrae. In adult and embryonic mice, PLVAP is primarily expressed on endothelial tissues but shows restricted distribution in 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.
Tested Reactivity	Ms
Tested Application	FACS, IHC-Fr
Host	Rat
Clonality	Monoclonal
Clone	MECA-32
Isotype	IgG2a
Target Name	PLVAP
Species	Mouse
Conjugation	Un-conjugated
Alternate Names	PV1; Plasmalemma vesicle-associated protein; PV-1; Fenestrated endothelial-linked structure protein; FELS; gp68; Plasmalemma vesicle protein 1

### Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	IHC-Fr	1:25 - 1:100
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	PLVAP
Gene Full Name	plasmalemma vesicle associated protein
Function	Involved in the formation of stomatal and fenestral diaphragms of caveolae. May function in microvascular permeability. [UniProt]
Calculated Mw	51 kDa