

ARG23271 anti-PLVAP antibody [MECA-32]

Package: 100 µg

Store at: -20°C

Summary

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| 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

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|-------------------|---|-----------------|
| Application table | Application | Dilution |
| | FACS | Assay-dependent |
| | IHC-Fr | 1:25 - 1:100 |
| Application Note | <p>FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p> | |

Properties

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

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| 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 |