



Rat Anti-Mouse Pan-endothelial Cell Antigen (MECA-32) Monoclonal antibody, clone MECA-32 (CABT-L4470)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The MECA-32 monoclonal antibody reacts with mouse pan-endothelial cell antigen also known as MECA-32 and PLVAP (plasmalemma vesicle-associated protein).
Target	Mouse Pan-endothelial Cell Antigen (MECA-32)
Immunogen	Mouse lymph node stromal cells
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	MECA-32
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	IHC-F, FC, WB, IF
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction The MECA-32 monoclonal antibody reacts with mouse pan-endothelial cell antigen also known as MECA-32 and PLVAP (plasmalemma vesicle-associated protein). MECA-32 is a 60 kDa transmembrane homodimer which is expressed on the surface of most endothelial cells. However, MECA-32 shows restricted distribution in the skeletal, cardiac and brain tissues of adult and embryonic mice. In embryonic mice, MECA-32 expression is developmentally regulated in the vessels associated with the blood brain barrier and persists only through day 16 of gestation.

Keywords PLVAP; plasmalemma vesicle associated protein; Pv1; MECA32; plasmalemma vesicle-associated protein; MECA-32 antigen; plasmalemma vesicle protein 1;

GENE INFORMATION

Official Symbol	plasmalemma vesicle associated protein
Synonyms	PLVAP; plasmalemma vesicle associated protein; Pv1; MECA32; plasmalemma vesicle-associated protein; MECA-32 antigen; plasmalemma vesicle protein 1;
References	Rantakari, P., et al. (2016). "Fetal liver endothelium regulates the seeding of tissue-resident macrophages." Nature 538(7625): 392-396. PubMed;