Rat MCAM/CD146 APC-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 404722

Catalog Number: FAB3250A

100 µg

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat MCAM/CD146 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) MCAM, rhBCAM, or rhALCAM is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 404722
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat MCAM/CD146 Arg19-Lys560 Accession # Q9EPF2
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

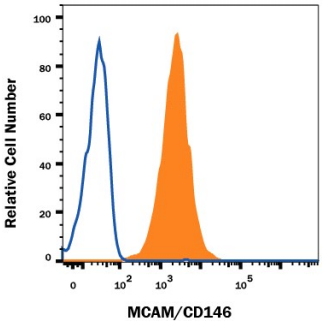
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	See Below

DATA

Flow Cytometry



Detection of MCAM/CD146 in PC-12 Rat Cell Line by Flow Cytometry. PC-12 rat adrenal pheochromocytoma cell line was stained with Mouse Anti-Rat MCAM/CD146 APC-conjugated Monoclonal Antibody (Catalog # FAB3250A, filled histogram) or isotype control antibody (Catalog # IC003A, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Melanomia Cell Adhesion Molecule (MCAM), also known as CD146 and MUC18, is a putative Ig-superfamily adhesion molecule that is expressed on endothelial cells and a variety of tumor cells. MCAM is associated with tumor progression and metastasis and may be involved in embryonic neural development. An alternately spliced isoform of rat MCAM has a 40 residue deletion in the cytoplasmic domain. Within the extracellular region, rat MCAM shares 72% and 90% amino acid sequence identity with human and mouse MCAM, respectively.

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