Rat MCAM/CD146 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3250T
100 µg

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat MCAM/CD146 in direct ELISAs and Western blots. In Western blots, approximately 5% cross-reactivity with recombinant human MCAM is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat MCAM/CD146 Arg19-Lys560 Accession # Q9EPF2
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

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

MCAM, also known as CD146 and MUC18, is a type I transmembrane adhesion molecule belonging to the Ig superfamily. It is expressed on all endothelial cells, different epithelial cells, multiple lymphocyte subsets and various tumor cells. Two splice isoforms that differ in their cytoplasmic domains and vasolateral localization have been described. A soluble MCAM is shed and can be detected in circulation. The amino acid sequence of rat MCAM is 72% and 90% identical to that of human and mouse MCAM, respectively.

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