

DESCRIPTION

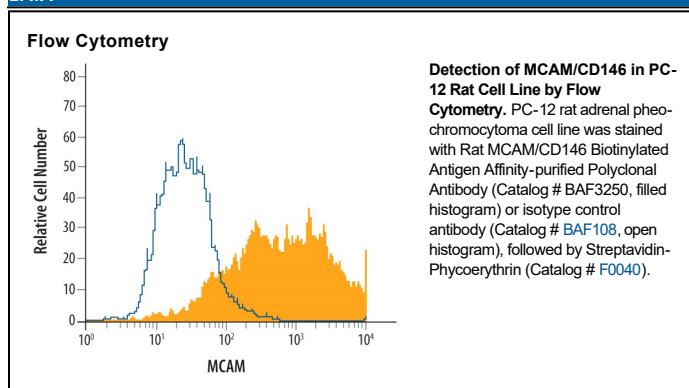
Species Reactivity	Rat
Specificity	Detects rat MCAM/CD146 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human MCAM is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat MCAM/CD146 Arg19-Lys560 Accession # Q9EPF2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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
Western Blot	0.1 µg/mL	Recombinant Rat MCAM/CD146
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.