

## DESCRIPTION

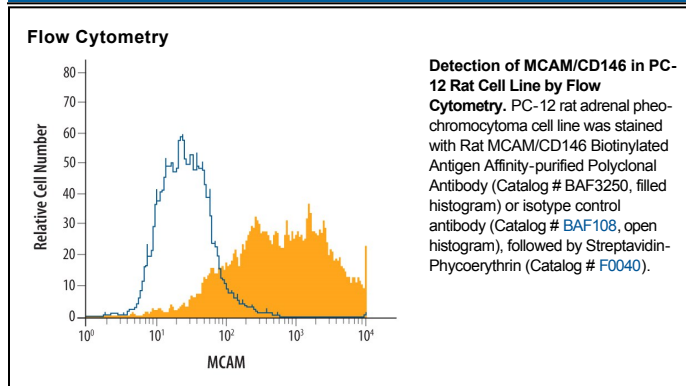
<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Detects rat MCAM/CD146 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human MCAM is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant rat MCAM/CD146 Arg19-Lys560 Accession # Q9EPF2
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Rat MCAM/CD146
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

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

## 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.