

# BioCytex

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## DATA SHEET

# CD146

(Cat #5040-B100T)

### MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD146, BIOTIN

<b>Clone</b>	COM 7A4
<b>Isotype</b>	IgG1, Kappa
<b>Partner of fusion</b>	X63Ag8/653
<b>Immunogen</b>	CD146 immunopurified molecule.
<b>Specificity</b>	<ul style="list-style-type: none"><li>- Using an immunoperoxidase staining on frozen tissue sections, clone COM 7A4 demonstrates in all tissues tested a strong reactivity restricted to vascular endothelium.</li><li>- This antibody is positive on CD146 transfectants.</li><li>- CD146 (also known as MUC18, S-Endo, MelCAM and MCAM) is expressed on endothelial cells, a subset of activated T lymphocytes and some human tumor cell lines.</li></ul>
<b>Reactivity</b>	Extracytoplasmic epitope of the human CD146.
<b>Application</b>	Flow cytometry, ELISA.
<b>Form</b>	Biotin-conjugated purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
<b>Size</b>	100 tests.
<b>Suggested amount</b>	For indirect immunofluorescence : use 10 µL of antibody per $3 \cdot 10^5$ cells in 100 µL sample. For other applications : the optimal dilution should be determined by the investigator.
<b>Preservative</b>	Sodium azide < 0.1%.
<b>Storage</b>	As delivered at +2-8°C until expiration date. After opening, aliquote contents and freeze at -20°C. Avoid repeated freezing and thawing.
<b>HLDA Workshop</b>	N/A
<b>Reference</b>	Anfosso F. <i>et al.</i> , J Biol Chem. 1998, 273(41), 26852-26856.

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