

## DATA SHEET

# CD146

(Cat #5010-P100T)

**MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD146, PURIFIED**

<b>Clone</b>	COM 3D9
<b>Isotype</b>	IgG1, Kappa
<b>Partner of fusion</b>	X63Ag14
<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 3D9 demonstrates in all tissues tested a strong reactivity restricted to vascular endothelium.</li><li>- This antibody is positive on CD146 transfectants.</li><li>- This antibody has been tested for CD146 capture in an ELISA test using biotinylated F(ab')<sub>2</sub> clone F4-35H7 (S-Endo 1) for detection.</li><li>- MW of recognized molecules by Western blotting on HUVEC lysate :<ul style="list-style-type: none"><li>Reduced conditions : no reactivity.</li><li>Unreduced conditions : 118 kDa.</li></ul></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, Western blot, Immunohistochemistry.
<b>Form</b>	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
<b>Size</b>	Sufficient for 100 tests within CELLQUANT Calibrator technology or indirect immunofluorescence.
<b>Suggested amount</b>	<p>Quantitative flow cytometry : follow the package insert of CELLQUANT Calibrator kit (BioCytex ref. 7208).</p> <p>For indirect immunofluorescence : use 10 µL of antibody per 3.10<sup>5</sup> cells in 100 µL sample.</p> <p>For other applications : the optimal dilution should be determined by the investigator.</p>
<b>Preservative</b>	Sodium azide < 0.1%.
<b>Storage</b>	<p>As delivered at +2-8°C until expiration date.</p> <p>After opening, aliquote contents and freeze at -20°C.</p> <p>Avoid repeated freezing and thawing.</p>
<b>HLDA Workshop</b>	N/A