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DATA SHEET**CD146**
(Cat #5040-P)**MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD146, PURIFIED**

Clone	COM 7A4
Isotype	IgG1, Kappa
Partner of fusion	X63Ag8/653
Immunogen	CD146 immunopurified molecule.
Specificity	<ul style="list-style-type: none">- Using an immunoperoxidase staining on frozen tissue sections, clone COM 7A4 demonstrates in all tissues tested a strong reactivity restricted to vascular endothelium.- This antibody is positive on CD146 transfectants.- This antibody has been tested for CD146 capture in an ELISA test using biotinylated F(ab')₂ clone F4-35H7 (S-Endo 1) for detection.- MW of recognized molecules by Western blotting :<ul style="list-style-type: none">Reduced : 130 kDa.Unreduced : 118 kDa and 90 kDa.- CD146 (also known as MUC18, S-Endo, MelCAM and MCAM) is expressed on endothelial cells, activated T lymphocytes and some human tumor cell lines.
Reactivity	Extracytoplasmic epitope of the human CD146.
Application	Flow cytometry, ELISA, Western blot, immunohistochemistry.
Form	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
Size	0.1 mg.
Suggested amount	<p>Quantitative flow cytometry : follow the package insert of CELLQUANT Calibrator kit (BioCytex ref. 7208).</p> <p>For indirect immunofluorescence : use 50 µL of antibody at 10 µg/mL per 10⁶ cells in 100 µL sample.</p> <p>For other applications : the optimal dilution should be determined by the investigator.</p>
Preservative	Sodium azide < 0.1%.
Storage	<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>
HLDA Workshop	N/A
Reference	Anfosso F. <i>et al.</i> , J Biol Chem. 1998, 273(41), 26852-26856.

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