

# BioCytex

140, Chemin de l'Armée d'Afrique  
13010 Marseille  
France  
Tel : +33 (0) 4 96 12 20 40  
Fax : +33 (0) 4 91 47 24 71  
Email : info@biocytex.fr

Jun 05

## DATA SHEET

# CD146

(Cat #5050-F100T)

### MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD146, FITC

<b>Clone</b>	S-Endo 1 (F4-35H7)
<b>Isotype</b>	IgG1
<b>Partner of fusion</b>	X63Ag8/653
<b>Immunogen</b>	Human umbilical cord vein endothelial cells (HUVEC).
<b>Specificity</b>	<ul style="list-style-type: none"><li>- Using an immunoperoxidase staining on frozen tissue sections, S-Endo 1 demonstrates in all tissues tested a strong reactivity restricted to vascular endothelium.</li><li>- Analysed by flow cytometry, S-Endo 1 recognizes human endothelial cells but does not bind to leukocytes, nor red cells or platelets <sup>(1)</sup>.</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, immunohistofluorescence.
<b>Form</b>	FITC-conjugated immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
<b>Size</b>	100 tests, ready for use.
<b>Suggested amount</b>	10 µL of antibody per 3.10 <sup>5</sup> cells in 100 µL sample.
<b>Preservative</b>	Sodium azide < 0.1%.
<b>Storage</b>	The conjugated antibody should be stored dark at +2-8°C.
<b>HLDA Workshop</b>	Leukocyte Typing VI.
<b>References</b>	<ol style="list-style-type: none"><li>1. George F. <i>et al.</i>, J Immunol Methods 1991, 139(1), 65-75.</li><li>2. Bardin N. <i>et al.</i>, Biochem Biophys Res Commun. 1996. 218(1), 210-216.</li><li>3. Mutin M. <i>et al.</i>, Endothelium 1996. 4, 289-295.</li><li>4. Mutin M. <i>et al.</i>, Tissue Antigens 1997. 50, 449-458.</li></ol>

FOR RESEARCH USE ONLY NOT FOR USE IN DIAGNOSTIC PROCEDURE