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DATA SHEET

CD146

(Cat #5050-B100T)

MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD146, Biotin

Clone	S-Endo 1 (F4-35H7)
Isotype	IgG1
Partner of fusion	X63Ag8/653
Immunogen	Human umbilical cord vein endothelial cells (HUVEC).
Specificity	<ul style="list-style-type: none">- Using an immunoperoxidase staining on frozen tissue sections, S-Endo 1 demonstrates in all tissues tested a strong reactivity restricted to vascular endothelium.- Analysed by flow cytometry, S-Endo 1 recognizes human endothelial cells but does not bind to leukocytes, nor red cells or platelets ⁽¹⁾.- 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.
Reactivity	Extracytoplasmic epitope of the human CD146.
Application	Flow cytometry, Immunohistochemistry
Form	Biotin-conjugated immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
Size	100 tests, ready for use.
Suggested amount	For indirect immunofluorescence : use 10 µL of antibody per 3.10 ⁵ cells in 100 µL sample. For other applications : the optimal dilution should be determined by the investigator.
Preservative	Sodium azide < 0.1%.
Storage	As delivered at +2-8°C until expiration date. After opening, aliquote contents and freeze at -20°C. Avoid repeated freezing and thawing.
HLDA Workshop	Leukocyte Typing VI.
References	<ol style="list-style-type: none">1. George F. <i>et al.</i>, J Immunol Methods 1991, 139(1), 65-75.2. Bardin N. <i>et al.</i>, Biochem Biophys Res Commun. 1996. 218(1), 210-216.3. Mutin M. <i>et al.</i>, Endothelium 1996. 4, 289-295.4. Mutin M. <i>et al.</i>, Tissue Antigens 1997. 50, 449-458.