

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

DATA SHEET

CD146
(Cat #5050-P)**MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD146, PURIFIED**

| | |
|--------------------------|--|
| 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, MeICAM 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 ⁽¹⁾ , immunomagnetic isolation of human endothelial cells ⁽²⁾ ⁽⁴⁾ , ELISA, Western blot ⁽³⁾ , immunohistochemistry ⁽³⁾ . |
| Form | Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL. |
| Size | 0.1 mg. |
| Suggested amount | Quantitative flow cytometry : follow the package insert of CELLQUANT Calibrator kit (BioCytex ref. 7208). For indirect immunofluorescence : use 50 µL of antibody at 10 µg/mL per 10 ⁶ 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. George F. <i>et al.</i>, Thromb Haemost. 1992. 67(1), 147-153.3. Bardin N. <i>et al.</i>, Biochem Biophys Res Commun. 1996. 218(1), 210-216.4. Mutin M. <i>et al.</i>, Blood 1999, 3(9), 2951-2958. |

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