Technical Data Sheet

PE Mouse Anti-Human CD146

Product Information

Material Number: 550315
Size: 100 tests
Vol. per Test: 20 µl
Clone: P1H12
Isotype: Mouse IgG1, κ
Reactivity: QC Testing: Human
Storage Buffer:
Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 118 kDa transmembrane glycoprotein also known as MCAM, MUC18, Mel-CAM. CD146 is a member of the immunoglobulin superfamily and is expressed on endothelial cells, melanoma cells, smooth muscle, intermediate trophoblasts and has been reported as being present on a subpopulation of activated T cells. P1H12 monoclonal antibody has been reported to block endothelial cell adhesion and has been observed very early in embryogenesis. It can be useful in the study of embryologic vasculogenesis. This antibody is suitable for immunohistochemical staining of acetone-fixed frozen tissue sections, immunoprecipitation and ELISA.

Profile of HeLa cell line analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application
Flow cytometry  Routinely Tested

Suggested Companion Products

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<tr>
<th>Catalog Number</th>
<th>Name</th>
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<td>PE Mouse IgG1, κ Isotype Control</td>
<td>100 tests</td>
<td>MOPC-21</td>
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**Product Notices**

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10^6 cells in a 100-μl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharminen/colors.
5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

**References**


Shih IM. The role of CD146 (Mel-CAM) in biology and pathology. *J Pathol.* 1999; 189(1):4-11. (Biology)