TECHNICAL DATA SHEET

CyFlow™ CD326 PerCP-Cy5.5
Anti-Hu; Clone VU-1D9

REF **AS190365**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD326
Alternative Names	TACSTD1, EpCAM, EGP, EGP-40, MIC18, MK1, TROP1, hEGP-2, M4S1
Clone	VU-1D9
Clonality	monoclonal
Format	PerCP-Cy5.5
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Small cell lung carcinoma cell line H69

Contact Information:

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Specificity

The mouse monoclonal antibody VU-1D9 recognizes an epitope within EGF-like domain I of CD326 (EpCAM) antigen, a marker of epithelial lineages. This antibody strongly stains various normal epithelial cells and carcinomas.

Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD326 (EpCAM, ESA, EGP40, EGP-2, KSA1/4, CO17-1A, GA733-2, MOC31, Ber-EP4) is a 40 kDa transmembrane glycoprotein serving as adhesion molecule in the basolateral membranes in a variety of epithelial cells. CD326 mediates calcium-independent homotypic cell-cell adhesions. CD326 over-expression has been detected in many epithelial tumors and is often associated with bad prognosis. It has been used for diagnostics of (pre-) malignancies at early stages.

References

- Tsubura A, Senzaki H, Sasaki M, Hilgers J, Morii S: Immunohistochemical demonstration of breast-derived and/or carcinoma-associated glycoproteins in normal skin appendages and their tumors. J Cutan Pathol. 1992 Feb; 19(1):73-9. < PMID: 1556271 >
- Ogura E, Senzaki H, Yoshizawa K, Hioki K, Tsubura A: Immunohistochemical localization of epithelial glycoprotein EGP-2and carcinoembryonic antigen in normal colonic mucosa and colorectal tumors. Anticancer Res. 1998 Sep-Oct; 18(5B):3669-75. < PMID: 9854475 >

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- Winter MJ, Nagtegaal ID, van Krieken JH, Litvinov SV: The epithelial cell adhesion molecule (Ep-CAM) as a morphoregulatory molecule is a tool in surgical pathology. Am J Pathol. 2003 Dec; 163(6):2139-48. < PMID: 14633587 >
- Brunner A, Prelog M, Verdorfer I, Tzankov A, Mikuz G, Ensinger C: EpCAM is predominantly expressed in high grade and advanced stage urothelial carcinoma of the bladder. J Clin Pathol. 2008 Mar; 61(3):307-10. < PMID: 17586680 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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