

TECHNICAL DATA SHEET

CyFlow™ CD326 Alexa Fluor™ 647 Anti-Hu; Clone VU-1D9

REF AD559349

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	Alexa Fluor™ 647
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Small cell lung carcinoma cell line H69

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

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 10⁶ 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-2 and carcinoembryonic antigen in normal colonic mucosa and colorectal tumors. Anticancer Res. 1998 Sep-Oct; 18(5B):3669-75. < PMID: 9854475 >

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

- Li G, Passebosc-Faure K, Lambert C, Gentil-Perret A, Blanc F, Oosterwijk E, Mosnier JF, Genin C, Tostain J: Flow cytometric analysis of antigen expression in malignant and normal renal cells. *Anticancer Res.* 2000 Jul-Aug; 20(4):2773-8. < PMID: 10953356 >
- 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.

This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com.

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com