TECHNICAL DATA SHEET

CyFlow™ CD326 Purified
Anti-Hu; Clone VU-1D9

REF **AX824402**

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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	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/mL]
Immunogen	Small cell lung carcinoma cell line H69

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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.09% (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.

Warnings

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.

Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet (SDS). SDS are available at http://www.sysmex-partec.com/services, or at https://us.sysmex-flowcytometry.com/ (U.S. customers only).

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 >

• 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 >

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• 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 >

Symbols

	Reference number		Contains sufficient for <n> tests
	For research use only		Temperature limit
	Batch code		Keep away from sunlight
	Manufacturer		Consult accompanying documents
	Use-by date		Unique device identifier