

TECHNICAL DATA SHEET

CyFlow™ CD326 Purified Anti-Hu; Clone 323/A3

REF CD624434

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	323/A3
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	Rat
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Human breast cancer MCF-7 cells

Specificity

The mouse monoclonal antibody 323/A3 recognizes CD326 (EpCAM), a marker of epithelial lineages, that is over-expressed in many carcinomas.

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Application

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

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (paraffin-embedded sections)
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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

- Edwards DP, Grzyb KT, Dressler LG, Mansel RE, Zava DT, Sledge GW Jr, McGuire WL: Monoclonal antibody identification and characterization of a Mr 43,000 membrane glycoprotein associated with human breast cancer. Cancer Res. 1986 Mar; 46(3):1306-17. < PMID: 3510721 >
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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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