

1A-581-T100

Monoclonal Antibody to CD326 / EpCAM Allophycocyanin (APC) conjugated (100 tests)

Clone:	VU-1D9
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody VU-1D9 recognizes an epitope within EGF-like domain I of CD326 / EpCAM, a marker of epithelial lineages. This antibody strongly stains various normal epithelial cells and carcinomas.
Regulatory Status:	RUO
Immunogen:	Small cell lung carcinoma cell line H69.
Species Reactivity:	Human, Other species Not tested
Preparation:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD326 / EpCAM (also known as 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 tumours 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. <i>J Cutan Pathol.</i> 1992 Feb;19(1):73-9. *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. <i>Anticancer Res.</i> 1998 Sep-Oct;18(5B):3669-75. *Li G, Passebosch-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. <i>Anticancer Res.</i> 2000 Jul-Aug;20(4):2773-8. *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. <i>Am J Pathol.</i> 2003 Dec;163(6):2139-48. *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. <i>J Clin Pathol.</i> 2008 Mar;61(3):307-10.

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Antibodies

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