

## Product datasheet for **AM33243AC-S**

### **EPCAM Mouse Monoclonal Antibody [Clone ID: VU-1D9]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	VU-1D9
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry analysis</b> of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Small cell lung carcinoma cell line H69
Specificity:	This antibody 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.
Formulation:	Phosphate buffered saline (PBS) Label: APC State: Liquid purified Ig fraction Preservative: 15 mM sodium azide Label: Conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	APC
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	epithelial cell adhesion molecule
Database Link:	<a href="#">Entrez Gene 4072 Human P16422</a>



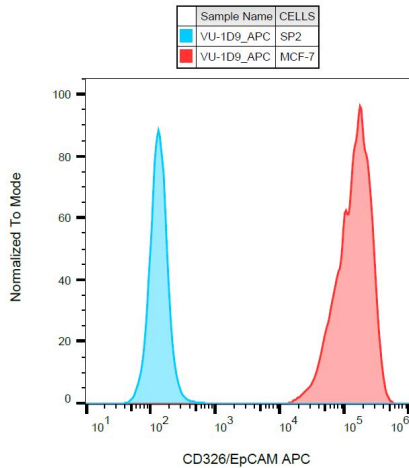
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**Background:**

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.

**Synonyms:**

Ep-CAM, Epithelial cell adhesion molecule, GA733-2, EGP314, KSA, TROP1, Trop-1, M1S2, M4S1, MIC18

**Product images:**


Surface staining of human MCF-7 cell line with anti-human CD326 / EpCAM (VU-1D9) APC.