

### 30-2793: Anti-Hu CD326 Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	VU-1D9
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	EPCAM
<b>Gene ID :</b>	4072
<b>Uniprot ID :</b>	P16422
<b>Format :</b>	Purified
<b>Alternative Name :</b>	epithelial cell adhesion molecule EPCAM, GA733-2, EGP314, KSA, KS 1/4 antigen, Trop-1, M4S1, DIAR5, MIC18, TROP1
<b>Immunogen Information :</b>	Small cell lung carcinoma cell line H69.

#### Description

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.

**Specificity :** The mouse monoclonal antibody VU-1D9 recognizes an extracellular epitope within EGF-like domain I of CD326 / EpCAM, a marker of epithelial lineages. This antibody strongly stains various normal epithelial cells and carcinomas.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Immunohistochemistry (paraffin sections): Recommended dilution: 5-10 µg/ml; positive control: colon epithelium, antigen retrieval: heat (sodium citrate) + trypsin. <br>Immunocytochemistry: Recommended dilution: 4 µg/ml. <br>Western blotting: Recommended dilution: 1-4 µg/ml, non-reducing conditions. <br>Flow cytometry: Recommended dilution: 1-3 µg/ml. <br>Immunoprecipitation: Recommended dilution: 1-2 µg / 100-500 µg of protein in 1 ml lysate.