

30-2793: Anti-Hu CD326 Purified

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

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	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.
Immunocytochemistry: Recommended dilution: 4 µg/ml.
Western blotting: Recommended dilution: 1-4 µg/ml, non-reducing conditions.
Flow cytometry: Recommended dilution: 1-3 µg/ml.
Immunoprecipitation: Recommended dilution: 1-2 µg / 100-500 µg of protein in 1 ml lysate.