

## 30-1406: Anti-CD326 / EpCAM Monoclonal Antibody (Clone:323/A3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	323/A3
<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>	EPCAM,GA733-2,M1S2,M4S1,MIC18,TACSTD1,TROP1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human breast cancer MCF-7 cells

### 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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Western blotting: Non-reducing conditions; recommended dilution: 1-2 µg/ml; positive control: MCF-7 cells.  
Immunoprecipitation: Recommended dilution: 1-4 µg / ml per 100-500 µg of protein in 1 ml lysate.  
Immunohistochemistry (paraffin sections): Recommended dilution: 1-10 µg/ml; pretreatment: tissue section digestion with pepsin (15 min at RT or 10 min at 37°C, 1 mg / ml Tris-HCl, pH 2.0); positive tissue: breast carcinoma.  
Immunocytochemistry: Recommended dilution: 1-10 µg/ml.  
Flow cytometry: Recommended dilution: 1-4 µg/ml.

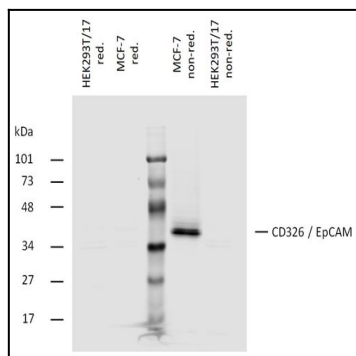


Figure-1: Western blotting analysis of human CD326 (EpCAM) using mouse monoclonal antibody 323/A3 on lysates of MCF-7 cell line and HEK293T/17 cell line (CD326 non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2  $\mu$ g/ml of mouse anti-CD326 monoclonal antibody 323/A3 followed by IRDye800-conjugated anti-mouse IgG1 secondary antibody. A specific band was detected for CD326 protein at approximately 40 kDa.