

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

Clonality :	Monoclonal
Clone Name :	323/A3
Application :	FACS
Reactivity :	Human
Gene :	EPCAM
Gene ID :	4072
Uniprot ID :	P16422
Format :	Purified
Alternative Name :	EPCAM,GA733-2,M1S2,M4S1,MIC18,TACSTD1,TROP1
Isotype :	Mouse IgG1
Immunogen Information :	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

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	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.

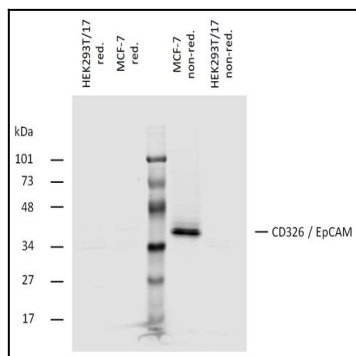


Figure-1: Western blotting analysis of human CD326 (EpCAM) using mouse monoclonal antibody 323/A3 on lysates of MCF-7 cell line and HEK293T/17 cell line (CD326 non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse 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.