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# 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

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|---|---|
| **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.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

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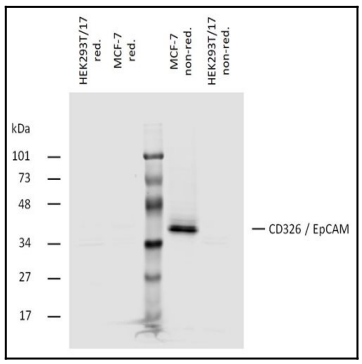



Figure-1: Western blotting analysis of human CD326 (EpCAM) using mouse monoclonal antibody 323/A3 on lysates of MCF-7 cell line and HEK293T/17 cell line (CD326 non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse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

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