

### 30-2585: Anti-Human CD326 PE (Clone : 323/A3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	323/A3
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	EPCAM
<b>Gene ID :</b>	4072
<b>Alternative Name :</b>	EPCAM, GA733-2, EGP314, KSA, KS 1/4 antigen, Trop-1, M4S1, DIAR5, MIC18, TROP1, epithelial cell adhesion molecule
<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.

Specificity : The mouse monoclonal antibody 323/A3 recognizes an extracellular epitope of CD326 / EpCAM, a marker of epithelial lineages, that is over-expressed in many carcinomas.

#### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

#### Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10  $\mu\text{l}$  reagent / 100  $\mu\text{l}$  of whole blood or  $10^6$  cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

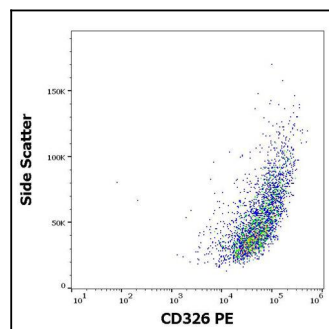


Figure 1 : Flow cytometry surface staining pattern of MCF-7 cell line suspension stained using anti-human CD326 (323/A3) PE antibody (10  $\mu\text{l}$  reagent per million cells in 100  $\mu\text{l}$  of cell suspension).

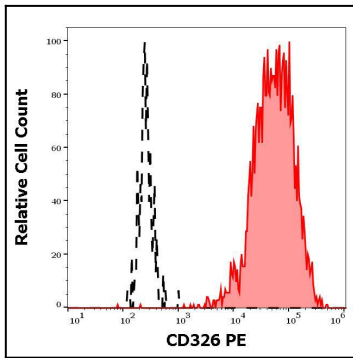


Figure 2 : Separation of human MCF-7 cells (red-filled) from SP2 cells (black-dashed) in flow cytometry analysis (surface staining) stained using anti-human CD326 (323/A3) PE antibody (10  $\mu$ l reagent per million cells in 100  $\mu$ l of cell suspension).