

## Product datasheet for **AM26013PU-N**

### **EPCAM Mouse Monoclonal Antibody [Clone ID: 323/A3]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	323/A3
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>Flow Cytometry.</b> <b>Immunoprecipitation:</b> 1-4 µg/ml per 100-500 µg of protein in 1 ml lysate. <b>Western blot:</b> 1-4 µg/ml. <b>Positive Control:</b> A-431, MCF-7, SW480 cell lines. <b>Immunohistochemistry on Paraffin Sections :</b> 1-10 µg/ml. <b>Pretreatment:</b> Tissue section digestion with pepsin (15 min at RT or 10 min at 37°C, 1 mg / ml Tris-HCl, pH 2.0). <b>Positive tissue:</b> Breast carcinoma. <b>Immunocytochemistry:</b> 1-10 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human breast cancer MCF-7 cells
Specificity:	This antibody recognizes CD326 / EpCAM, a marker of epithelial lineages, that is over-expressed in many carcinomas. <b>Negative Species:</b> Rat.
Formulation:	PBS, pH 7.4 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	epithelial cell adhesion molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 4072 Human P16422</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	Ep-CAM, Epithelial cell adhesion molecule, GA733-2, EGP314, KSA, TROP1, Trop-1, M1S2, M4S1, MIC18
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transmembrane