

Product datasheet for **BM2274X**

EPCAM Mouse Monoclonal Antibody [Clone ID: HEA125]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HEA125
Applications:	FC, IF, IHC
Recommended Dilution:	Flow Cytometry: Use 5 µl of neat antibody to label 10 ⁶ cells or 100 µl cell suspension. Immunofluorescence. Immunohistochemistry on Frozen Sections and Paraffin Sections: 1/20. This product requires protein digestion pre-treatment of paraffin sections e.g. 0.1% pronase, 10 minutes. Recommended Positive Control: Human colon and appendix.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HT29 carcinoma cell line. Spleen cells from immunised BALB/c mice were fused with cells of a mouse myeloma cell line.
Specificity:	This antibody recognizes the 34kDa cell surface antigen known as CD326 or Epithelial Cell Adhesion Molecule (Ep-CAM).
Formulation:	PBS, pH 7.3 State: Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	epithelial cell adhesion molecule
Database Link:	Entrez Gene 4072 Human P16422
Background:	Epithelial Cell Adhesion Molecule (EpCAM) is a 40 kDa cell surface antigen. This antigen has been identified independently by a number of groups, and has been known by a variety of names. Several monoclonal antibodies have been raised against EpCAM, many of which have been described as tumour specific molecules on carcinomas. EpCAM is a Type 1 transmembrane glycoprotein. It is expressed on the basolateral membrane of cells by the majority of epithelial tissues, with the exception of adult squamous epithelium and some specific epithelial cell types including hepatocytes and gastric epithelial cells. EpCAM expression has been reported to be a possible marker of early malignancy, with expression being increased in tumour cells, and de novo expression being seen in dysplastic squamous epithelium.
Synonyms:	Ep-CAM, Epithelial cell adhesion molecule, GA733-2, EGP314, KSA, TROP1, Trop-1, M1S2, M4S1, MIC18