

Product datasheet for **TA386329**

EPCAM Rabbit Monoclonal Antibody [Clone ID: HEA125]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HEA125
Applications:	FC, IF, IHC, IP, R, WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising BALB/c mice with the human colon carcinoma cell line HT-29.

Specificity: This antibody is specific for the extracytoplasmic part of human EpCAM, a stable and widely-distributed marker expressed on the surface of many adenocarcinomas. It reacts with carcinomas derived from the colorectum, stomach, pancreas, liver, lung, mammary gland, ovary, thyroid, kidney, urinary bladder and prostate.

This antibody has applications in the detection of normal and neoplastic epithelial cells, and distinguishing carcinomas from non-epithelial neoplasms (Momburg et al, 1987). This antibody has been used in radioimmunoassays on live cells and immunoenzymatic staining assays on glutaraldehyde-fixed cells, as well as in immunoperoxidase staining of frozen and formalin-fixed paraffin tissue sections (Moldenhauer et al, 1987; Momburg et al, 1987). These revealed it to react with most normal human epithelial cells, but not non-epithelial tissue, and to intensely react with human carcinomas and metastatic lesions, but not lymphoma, melanoma, sarcoma or neuroblastoma cell lines (Moldenhauer et al, 1987; Momburg et al, 1987). Squamous cell carcinomas stain less strongly than adenocarcinomas, and keratinizing areas of tumor masses remain negative (Momburg et al, 1987). This antibody has also been used in immunoprecipitation analysis to characterise human EpCAM (Moldenhauer et al, 1987), and in immunohistochemical analysis of EpCAM expression in formalin-fixed, paraffin-embedded liver tissue sections (Igarashi et al, 2013; Wang et al, 2018) and frozen liver tissue sections (Crosby et al, 1998). Additionally, it has been used in the immunocytochemical detection of EpCAM expression in mononuclear cell preparations obtained from human peripheral blood or lamina propria (Qiao et al, 1996).

Formulation: PBS with 0.02% Proclin 300.



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Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	epithelial cell adhesion molecule
Database Link:	Entrez Gene 4072 Human P16422
Synonyms:	17-1A; 323/A3; CD326; CO-17A; CO17-1A; EGP; EGP-2; EGP34; EGP40; EGP314; Ep-CAM; ESA; GA733-2; HEA125; hEGP-2; hEGP314; KS1/4; KSA; Ly74; M1S2; M4S1; MH99; MIC18; MK-1; MOC31; TACST-1; TACSTD1; TROP1
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.