ANTI-HUMAN EPITHELIAL CELL ADHESION MOLECULE

Mouse Monoclonal Antibody Against Human Epithelial Cell Adhesion Molecule (EpCAM)
Clone 323/A3

Catalog # 01421 **100 µg/tube**

SPECIFICITY:

Epithelial cell adhesion molecule (EpCAM), also known as epithelial-specific antigen[1] and EGP-40[2], is a homophilic CA^{2+}-independent cell adhesion molecule expressed on the basolateral surfaces of most epithelial cells[3,4]. Cells of nervous, muscular and stromal tissue do not express EpCAM. EpCAM expression is also absent on mesothelial cells and mesotheliomas, and thus is a suitable marker for discriminating between mesothelioma and carcinoma cells[5]. In the mammary gland, all cells within the mammary epithelium except for the myoepithelial cells express EpCAM[6,7].

The 323/A3 clone was generated immunizing a BALB/c mouse with MCF-7 breast carcinoma cells. Splenocytes were fused with mouse NS-1 myeloma cells.

CLONE: 323/A3

ISOTYPE: IgG_1-k (mouse)

FORMAT:

100 µg of antibody in phosphate buffered saline (PBS).

STABILITY/STORAGE:

Store at 4°C. Do not freeze. Product is stable for at least 2 years.

APPLICATIONS AND DIRECTIONS FOR USE:

The antibody is suitable for flow cytometry (10^6 cells in 100 µL and 1-3 µg/mL antibody) and immunohistochemistry. The antibody works with paraffin sections at 1-3 µg/mL, however a heat-induced antigen retrieval protocol is required for optimal staining of formalin fixed paraffin embedded tissues. Appropriate conditions should be established with each application.

THIS REAGENT IS FOR LABORATORY USE ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.

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