ANTI-HUMAN KERATIN 18

Mouse Monoclonal Antibody Against Human Keratin 18
Clone DC-10

Catalog # 01425 **100 µg/tube**

SPECIFICITY:

The DC-10 antibody clone recognizes the 45 kDa keratin 18 polypeptide[1]. This intermediate filament is found in a variety of simple and glandular epithelia[1,2]. Keratin 18 is not expressed in stratified squamous epithelium. In the mammary gland, keratin 18 is expressed by luminal epithelial cells but not by myoepithelial cells[3].

The DC-10 clone was generated immunizing a BALB/c mouse with PMC 42 human mammary carcinoma cells. Splenocytes were fused with X63Ag8.653 myeloma cells (1).

CLONE: DC-10

ISOTYPE: IgG_1 (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 immunohistochemical staining of formalin-fixed paraffin embedded tissues 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.

REFERENCES:

1. Lauerova L, Kovarik J, Bartek J, Rejthar A and Vojtesek B (1988) Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule. Hybridoma 7: 495-504.

2. Moll R, Franke WW, Schiller DL, Geiger B and Krepler R (1982) The catalog of human cytokeratins: patterns of expression in normal epithelial, tumors and cultured cells. Cell 31: 11-24.

3. Taylor-Papadimitriou J and Lane EB (1987) Keratin expression in the mammary gland. In: The Mammary Gland: Development, Regulation and Function (Neville MC and Daniel CW, eds.), Plenum Press, New York, pp 181-215.