

ANTI-HUMAN EPITHELIAL CELL FITC

**FITC-Conjugated Mouse Monoclonal Antibody Against Human Epithelial Cells
Clone 5E11**

Catalog # 10110

100 tests

SPECIFICITY:

This antibody shows positive staining on luminal cells of normal human mammary epithelium. No staining to weak staining is observed within the basal cell compartment of the mammary epithelium. It gives variable staining on malignant breast epithelium. Positive staining is observed on the following cell lines: MCF-7, CAMA, T47D, BT10, BT20, Colo 205 and WIDR. Staining is negative on human bone marrow cells, blood cells, lymphoid and mesenchymal tissues, and mammary and marrow fibroblast cultures¹.

The 5E11 antibody clone was generated by immunizing a BALB/c mouse with T47D human mammary carcinoma cells. Splenocytes were fused with SP2/0 myeloma cells.

CLONE: 5E11

ISOTYPE: IgG₁ (mouse)

FORMAT:

FITC-conjugated antibody in 2 mL phosphate buffered saline (PBS) containing 0.1% (w/v) bovine serum albumin and 0.1% (w/v) sodium azide.

STABILITY/STORAGE:

Store at 2-8°C. Do not freeze.

Product is stable for at least 1 year.

APPLICATIONS AND DIRECTIONS FOR USE:

For flow cytometry, the recommended amount per 1×10^6 cells in a volume of 100 μ L is 20 μ L. The antibody also works well on paraffin sections, 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.**

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.

REFERENCE:

1. Bardy P, Watson P, Poppema S, Bourque W, To B, Smith C, Emerman J, Eaves CJ and Lansdorp PM (1995) Characterization of monoclonal antibodies to epithelial antigens expressed on breast cancer cells and absent on hematopoietic cells. Blood 86: 223a.