

ANTI-HUMAN EPITHELIAL CELL

**Mouse Monoclonal Antibody Against Human Epithelial Cells
Clone 5E11**

Catalog # 01422

100 mg/tube

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 in 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:

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

STABILITY/STORAGE:

Store at 4°C. Do not freeze.

APPLICATIONS AND DIRECTIONS FOR USE:

The antibody is suitable for flow cytometry (10⁶ cells in 100 µL of 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.**

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.

StemCell Technologies

In North America

Tel: 1.604.877.0713
Fax: 1.604.877.0704
Toll Free Tel: 1.800.667.0322
Toll Free Fax: 1.800.567.2899
e-mail: info@stemcell.com
www.stemcell.com

In the United Kingdom

Tel: +44.(0).20.7537.7565
Fax: +44.(0).20.7515.5408
Toll Free within United Kingdom:
Tel: 0800.731.27.14
Fax: 0800.731.27.13
e-mail: info@stemcellgb.com
www.stemcellgb.com

In Europe

Tel: +33.(0).4.76.04.75.30
Fax: +33.(0).4.76.18.99.63
e-mail: info@stemcellfrance.com

*November 2004
Version 2.0*