

## Rabbit Monoclonal anti-ER, Clone EP1

60-0157-7	7 mL predilute Antibody, Ready-To-Use
61-0157; 61-0157-2; 61-0157-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	N/A
Concentration	See container label

**Intended Use** Analyte Specific Reagent

Analytical and performance characteristics not established.

**Description** The antibody labels estrogen receptor (ER) alpha positive cells.

The human estrogen receptor is a vital regulator of growth and differentiation in the mammary gland and has two forms, alpha and beta. In normal tissue, ER exists in epithelial cells of mammary glands, epithelial and myometrium cells of the uterus, luteal endometrium. In carcinomas of the breast, most progesterone receptor (PR) positive tumors are also ER positive, and less than 5% of PR positive tumors are ER negative.

**Reagent provided** This antibody is diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide ( $\text{NaN}_3$ ) as antimicrobial agent.

**Precautions** For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of  $\text{NaN}_3$  may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

## Usage

**Dilution** 60-0157-7: Ready-To-Use  
61-0157; 61-0157-2; 61-0157-5: Concentrate

Each lot is quality control tested by immunohistochemistry (IHC) on selected formalin-fixed, paraffin-embedded (FFPE) breast carcinoma tissue sections and heat pretreated using Genemed Citrate Buffer pH 6 (10-0022). In these tests, 60-0157-7 is used as Ready-To-Use and 61-0157, 61-0157-2, and 61-0157-5 are used at a dilution of 1:50 -100 for 30-60 minutes at room temperature, and Genemed Acu-Stain™ detection system is used. Nucleus staining was graded under light microscope. Each user has to determine optimal dilution for their application.


**Storage** Store at 2-8°C.

**References** 1. Elledge RM, et al. Disease of the Breast. Lippincott Williams & Wilkins 2000:471-85.  
2. Spauling B, et al. 23<sup>rd</sup> European Congress of Pathology. 2011 August 28.

## Symbols

  
Catalog No.

  
Batch No.

  
Temperature Range

  
Use By