

Monoclonal Mouse anti-ER, Clone 1D5

60-0031, 60-0031-7 6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0031 1 mL Concentrate Antibody
Isotype IgG1
Concentration See container label

Intended Use Analyte Specific Reagent.
Analytical and performance characteristics are not established.

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

The human estrogen receptor is a vital regulator of growth and differentiation in the mammary gland and has alpha and beta two forms. 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.

A variety of lesions with epitheloid features may also express ER, including epitheloid smooth muscle tumors, malignant melanoma, meningioma, sclerosing hemangioma, desmoid tumors, thyroid neoplasms, cervical endometrial cancer, and ovarian cancer.

Reagent provided This antibody is purified immunoglobulin diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃) 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 NaN₃ 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 60-0031; 60-0031-7: Ready-To-Use
61-0031: Concentrate

Each lot is quality control tested by immunohistochemistry on selected formalin-fixed, paraffin-embedded breast carcinoma tissue sections and heat pretreated using Genemed Citrate Buffer pH 6 (10-0022). In these tests, 60-0031 and 60-0031-7 are used as Ready-To-Use and 61-0031 is used at a dilution of 1:50-100 for 30-60 minutes at room temperature, and 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. Goulding H, et al. Hum Pathol. 1995 Mar;26(3):291-4.
2. al Saati T, et al. Int J Cancer. 1993 Oct 21;55(4):651-4
3. Pertschuk L, et al. Cancer. 1996 June 15;77(12):2514-2519.

Symbols

   

Catalog No. Batch No. Temperature Range Use By