

ER (ZM319)

Mouse monoclonal Antibody

Host: Mouse
Specificity: Human
Immunogen: Synthetic peptide corresponding to residues on the C-terminus of human ER
Ig Class: IgG1 / κ
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: ER (ZM319) Mouse monoclonal primary antibody detects ER protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain ER protein.

Localization: Nuclear.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Recognizes a protein of 67kDa, which is identified as estrogen receptor (ER) alpha. The ER gene consists of more than 140kb of genomic DNA divided into 8 exons, being translated into a protein with six functionally discrete domains, labeled A through F. This antibody strongly stains the nucleus of epithelial cells in breast carcinomas. The ER is an important regulator of growth and differentiation in the mammary gland. Presence of ER in breast tumors indicates an increased likelihood of response to antiestrogen (e.g. tamoxifen) therapy.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Cheang MC, et al. J Clin Oncol. 2006; 24:5637 -44.
2. Rossi S, et al. Am J Clin Pathol. 2005; 124:295-302.
3. Cano G, et al. Diagn Cytopathol. 2003; 29:207-11.

REF

Z2625ML-R/ Z2625MS-R/ Z2625MT-R/ Z2625MP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)

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RUO

(research
use only)

LOT

(lot number)

REF

(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)