

# Monoclonal Mouse Antibody to Human Estrogen Receptor

## Description:

Immunogen:	Tissue culture supernatant.
Clone:	1D5
Isotype:	IgG1, Kappa.
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	This antibody reacts with the N-terminal domain (A/B) region of human estrogen receptor. It also labels the nucleus of cells known to contain large amounts of estrogen receptor such as epithelial and myometrial cells of the uterous and normal and hyperplastic epithelial cells of the mammary glands. Epithelial cells of breast carcinoma expressing estrogen receptor are also labeled. Tissues containing little or no estrogen receptor showed little or no staining. Some lymphoid tumors and non/lymphoid neoplasms stained positively. Positive staining is also present in cytosolic extracts of luteal endometrium and the human breast cancer MCF-7.

**Uses/Limitations:** Immunohistochemistry  
For Research Use Only.  
Do not use past expiration date.

**Storage:** 2-8° Centigrade.

**Procedure:** We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. Pretreatment with citrate buffer is required.  
**Note: For optimal results use Citrate Plus (10X) HEIR Solution (ScyTek catalog number CPL500).**

**Precautions:** Contains Sodium Azide as a preservative.  
Do not pipette by mouth.

**References:**

- i) AL Saati, et al. Production of monoclonal antibodies to human estrogen receptor (ER) protein using recombinant ER (RER). Int J Cancer 1993; 55:651
- ii) Kumar V, et al. Functional domains of the human estrogen receptor. Cell 1987: 51:941