Antibody to **Estrogen Receptor**

**Product Specifications**

**Description:**
*Estrogen Receptor* mouse monoclonal antibody

**Immunoglobulin class:** IgG1

**Clone:** 6F11

**Immunogen:** Prokaryotic recombinant protein representing the full length alpha form of the estrogen receptor molecule.

**Epitope:** Within first 184 amino acids of estrogen receptor molecule.

**Presentation:**
1 ml liquid tissue culture supernatant containing 15 mM sodium azide.

**Species cross-reactivity:** Human, monkey, and rabbit.

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that the stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: Antigen unmasking recommended.
- Frozen sections: Zamboni's fixative 10 minutes at 25 °C.

**Working Dilution**: 1:40 - 1:80 for 1 hr. at 25 °C

**Positive Control:** Uterus. Nuclear staining pattern.

**Western blotting**
- **Working Dilution**: 1:50 - 1:100
- **Positive Controls**: MCF-7 cell line

* *Recommended dilutions using VECTASTAIN® Elite® ABC Kits.*

**Functional Aspects:**
Estrogen receptor (ER) is expressed in a variety of different tissues but is found most prominently in the female reproductive tract. A large amount of research has focused on the differential expression of ER in human breast cancer. This antibody will help detect the presence of ER in tissues and cell lines.

**Selected References**


**VP-E613 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.**