

## Estrogen Receptor (Marker of Estrogen Dependence) Antibody

Mouse Monoclonal Antibody [Clone ESR1/420]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 2099-MSM4-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 2099-MSM4-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 2099-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

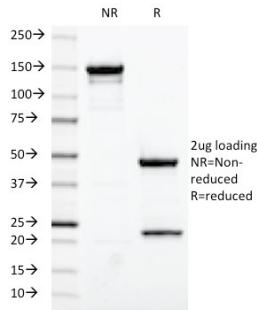
| Applications            | Tested Dillution    | Note |
|-------------------------|---------------------|------|
| Flow Cytometry (Flow)   | 1-2ug/million cells |      |
| Immunofluorescence (IF) | 1-3ug/ml            |      |

### Product Details

|                        |  |
|------------------------|--|
| Clone                  | ESR1/420   |
| Gene Name              | ESR1   |
| Immunogen              | Recombinant human ESR1 protein (aa290-560)         |
| Host                   | Mouse  |
| Clonality              | Monoclonal   |
| Isotype / Light Chain  | IgG2a / Kappa                                      |
| Mol. Weight of Antigen | ~67kDa   |
| Cellular Localization  | Cell membrane, Cytoplasm, Golgi apparatus, Nucleus |
| Species Reactivity     | Human  |
| Positive Control       | MCF-7 cells.                                       |

\*Optimal dilution for a specific application should be determined.

### Product Images for Estrogen Receptor (Marker of Estrogen Dependence) Antibody



SDS-PAGE Analysis of Purified Estrogen Receptor Mouse Monoclonal Antibody (ESR1/420). Confirmation of Integrity and Purity of Antibody.

### Specificity & Comments

This MAb is specific to ER alpha and shows minimal cross-reaction with other members of the family. Epitope of this MAb is mapped between aa300-550. 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 anti-estrogen (e.g. tamoxifen) therapy.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Breast Cancer, Cardiovascular, Infectious Disease, Ovarian Cancer, Signal Transduction, Transcription Factors

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.