

### 36-3029: Monoclonal Antibody to Estrogen Receptor (Clone: C-71)(Discontinued)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | C-71  |
| <b>Application :</b>           | IHC,FACS  |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | ESR1  |
| <b>Gene ID :</b>               | 2099  |
| <b>Uniprot ID :</b>            | P03372  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | ESR1,ESR,NR3A1  |
| <b>Isotype :</b>               | Mouse IgG1 Kappa  |
| <b>Immunogen Information :</b> | A partial length recombinant human Estrogen Receptor alpha protein (amino acids 2-185) was used as immunogen for this antibody. |

#### Description

The estrogen receptor (ER) is a ~ 67kDa protein. The estrogen receptor 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. normal ER function. Many investigators have reported on the isolation of cDNAs which encode variant ER sequences.

#### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Protein G Chromatography  |
| <b>Content :</b>           | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

#### Application Note

Immunohistochemical analysis: 1:25-100; Flowcytometry analysis: 0.5-2 µg/10<sup>6</sup> cells

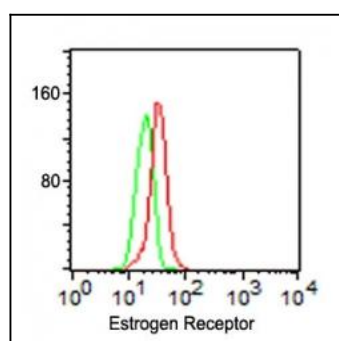


Fig: 1 Intracellular staining of the human breast cancer line MCF7 using Estrogen Receptor antibody (Clone: C-71) at 1µg/10<sup>6</sup> cells.

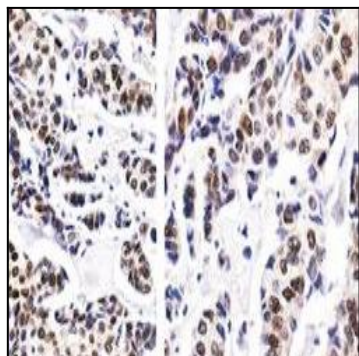


Fig: 2 Immunohistochemical analysis of Estrogen Receptor in human breast invasive ductal carcinoma using Estrogen Receptor antibody (Clone: C-71) at 1: 25 dilution.