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## 36-1112: Monoclonal Antibody to Estrogen Receptor, alpha (Marker of Estrogen Dependence)(Clone: ER506)

Clone Name : Monoclonal ER506

Application: FACS,WB,IHC
Reactivity: Human
Gene: ESR1
Gene ID: 2099
Uniprot ID: P03372
Format: Purified

Alternative Name: ESR1,ESR,NR3A1
Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human Estrogen Receptor alpha protein (aa2-185)

## **Description**

This MAb is specific to ER alpha and shows minimal cross-reaction with other members of the family. 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. It strongly stains nuclei of epithelial cells in breast carcinomas.

## **Product Info**

Amount:  $100 \mu g$ 

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

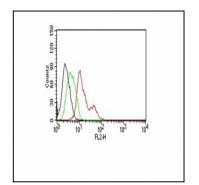
toxic.

**Storage condition :** 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**

Flow Cytometry (1-2ug/million cells); ,Western Blot (1-2ug/ml);,Immunohistochemistry (Formalin-fixed) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

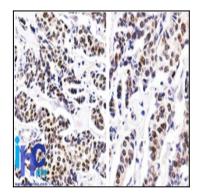


Flow Cytometry for human ER-alpha on MCF-7 Cells.Black: Cells alone; Green: Isotype Control; Red: PE-labeled ER-alpha Monoclonal Antibody (ER506).



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 $Formal in-fixed, paraffin-embedded\ human\ Breast\ Invasive\ Ductal\ Carcinoma\ stained\ with\ Estrogen\ Receptor\ Monoclonal\ Antibody\ (ER506).$