

## 12-1178: Anti-Estrogen Receptor, alpha (Marker of Estrogen Dependence) Recombinant Rabbit Monoclonal Antibody (Clone:ESR1/2299R)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ESR1/2299R
<b>Application :</b>	FACS,WB,IHC
<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>	Estrogen Receptor alpha delta 4*5,6,7*/654 isoform; Estrogen Receptor alpha delta 4 +49 isoform; Nuclear receptor subfamily 3 group A member 1
<b>Isotype :</b>	Rabbit IgG, kappa
<b>Immunogen Information :</b>	Recombinant full-length human Estrogen Receptor alpha protein

### 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. This MAb is excellent for staining of formalin-fixed, paraffin-embedded breast carcinomas.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Purification :</b>	Protein A/G
<b>Content :</b>	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	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.

### Application Note

Flow Cytometry (1-2 $\times$ 10<sup>5</sup>µg/million cells); Western Blot (1-2 $\times$ 10<sup>5</sup>µg/ml); ,Immunohistochemistry (Formalin-fixed) (1-2 $\times$ 10<sup>5</sup>µg/ml for 30 minutes at RT),(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),

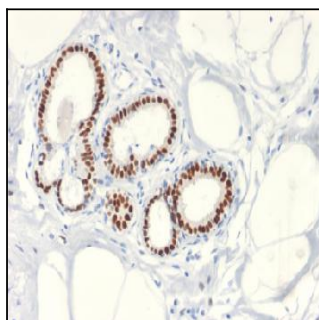


Figure 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Estrogen Receptor, alpha Rabbit Recombinant Monoclonal Antibody (ESR1/2299R).

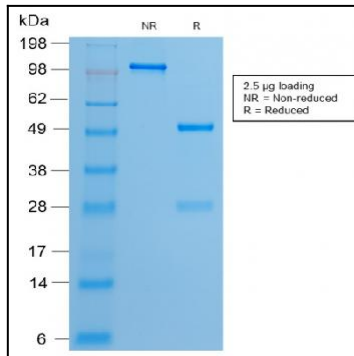


Figure 2: SDS-PAGE Analysis of Purified Estrogen Receptor, alpha Rabbit Recombinant Monoclonal Antibody (ESR1/2299R).