Estrogen Receptor, alpha (Marker of Estrogen Dependence) Antibody

Mouse Monoclonal Antibody [Clone ESR1/3373]

Catalog No	Format	Size
2099-MSM23-B1	Purified Ab conjugated to Biotin	0.5 ml at 100ug/ml

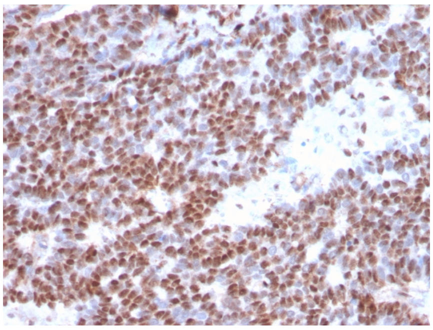
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

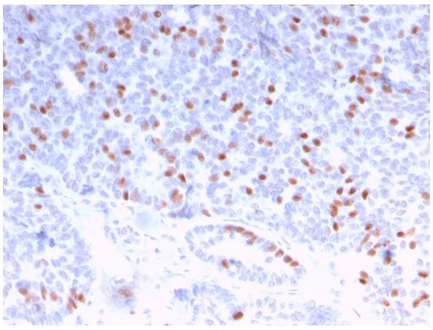
Clone	ESR1/3373
Gene Name	ESR1
Immunogen	Recombinant full-length human Estrogen Receptor alpha protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	~67kDa
Cellular Localization	Cell membrane, Cytoplasm, Golgi apparatus, Nucleus
Species Reactivity	Human
Positive Control	MCF-7 cells. Human breast or endometrial carcinoma.

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

Product Images for Estrogen Receptor, alpha (Marker of Estrogen Dependence) Antibody

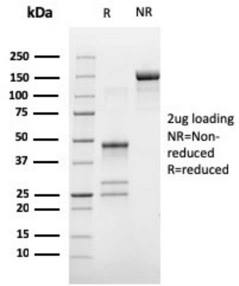


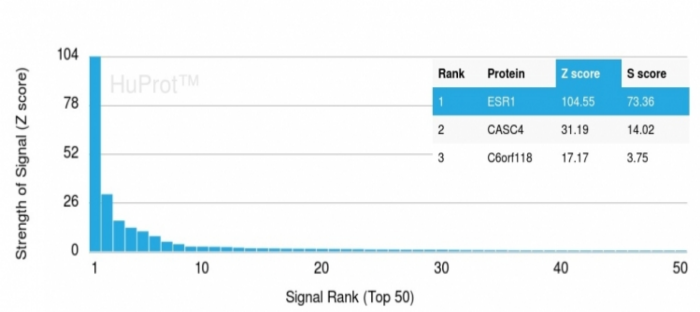
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Estrogen Receptor alpha Mouse Monoclonal Antibody (ESR1/3373).



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Estrogen Receptor alpha Mouse Monoclonal Antibody (ESR1/3373).

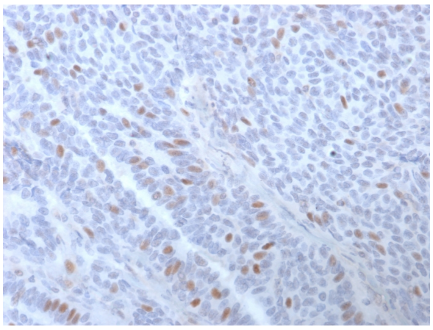
2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com





SDS-PAGE Analysis Purified Estrogen Receptor alpha Mouse Monoclonal Antibody (ESR1/3373). Confirmation of Integrity and Purity of Antibody.

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Estrogen Receptor alpha Mouse Monoclonal Antibody (ESR1/3373) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD?s) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD?s) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Estrogen Receptor alpha Mouse Monoclonal Antibody (ESR1/3373).

Specificity & Comments

This monoclonal antibody is specific to estrogen receptor alpha (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.

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

Store at 2 to 8°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.

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