Catalog # 2099-MSM13
Product Datasheet

Estrogen Receptor, alpha (Marker of Estrogen Dependence) Antibody

Mouse Monoclonal Antibody [Clone 1D5]

Catalog No	Format	Size
2099-MSM13-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
2099-MSM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2099-MSM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

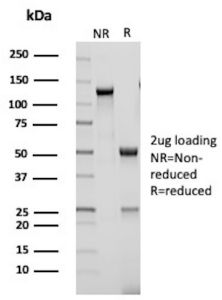
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

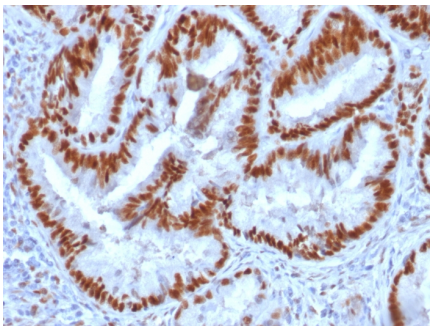
Clone	1D5
Gene Name	ESR1
Immunogen	Recombinant human Estrogen Receptor alpha protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~67kDa
Cellular Localization	Cell membrane, Cytoplasm, Golgi apparatus, Nucleus
Species Reactivity	Human
Positive Control	MCF-7 cells. Breast or Endometrial Carcinoma.

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

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



SDS-PAGE Analysis of Purified ESR1 Mouse Monoclonal Antibody(1D5). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Estrogen Receptor alpha Mouse Monoclonal Antibody (1D5).

Specificity & Comments

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.

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.