Estrogen Receptor, alpha (Marker of Estrogen Dependence) Antibody

Mouse Monoclonal Antibody [Clone ER506]

Catalog No	Format	Size
2099-MSM2-PE-100T	Purified Ab conjugated to PE	0.5 ml at 100ug/ml

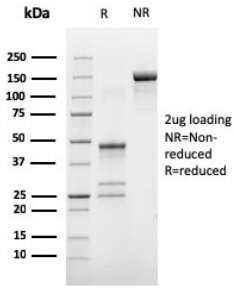
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

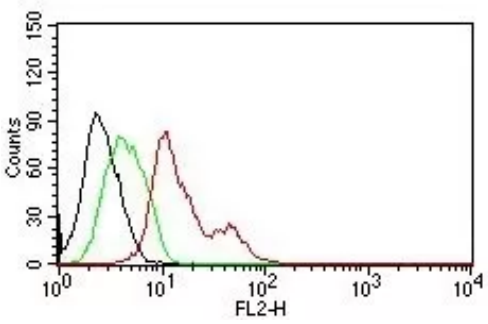
Clone	ER506
Gene Name	ESR1
Immunogen	Recombinant fragment (around aa 2-185) of human Estrogen Receptor alpha protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	~67kDa
Cellular Localization	Cell membrane, Cytoplasm, Golgi apparatus, Nucleus
Species Reactivity	Human
Positive Control	T47D, 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 Estrogen Receptor alpha Mouse Monoclonal Antibody (ESR1/3373) (unconjugated). Confirmation of Integrity and Purity of Antibody.



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

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

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. No MSDS required.

Research Areas

Breast Cancer, 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.