

Mouse anti-Human. Estrogen Receptor Monoclonal Antibody | anti-ESR1 antibody

Estrogen Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62653	Mouse	Human.	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

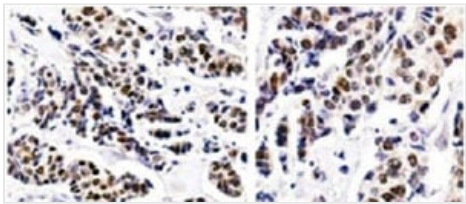
PRODUCT SYNONYMS

Estrogen Receptor; Monoclonal Antibody; 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; anti-ESR1 antibody

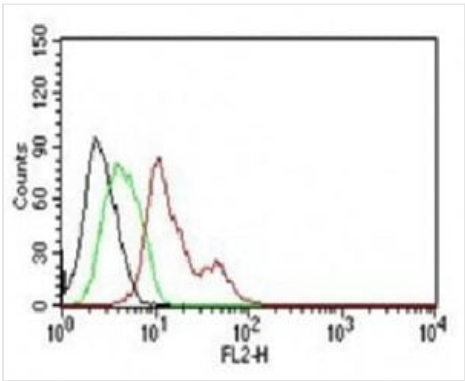
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	ER506
Specificity	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.
Form/Format	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.
Sequence Length	595
Applicable Applications for anti-ESR1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Localization	Nuclear
Positive Control	MCF-7 Cells or Breast Cancers.
Human Chromosomal Location	6q25.1
Immunogen	Recombinant human Estrogen Receptor alpha protein (aa2-185)
Supplied as	200ug/ml of Ab purified fro Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available Without BSA & azdie at 1.0mg/ml.
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months.

IMAGES



IHC (Immunohistochemistry)
Formalin-paraffin human breast invasive ductal carcinoma stained with Estrogen Receptor MAb (ER506)



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

ADDITIONAL INFORMATION

References	1. Zafrani B, et. al. Histopathology 2000; 37(6), 536-545. 2. Harvey JM, et. al. Journal of Clinical Oncology 1999; 17(5), 1474-1481.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62821794
NCBI GeneID	2099
NCBI Accession #	NP_000116.2
NCBI GenBank Nucleotide #	NM_000125.3
UniProt Accession #	P03372; Q13511; Q14276; Q5T5H7; Q6MZQ9; Q9NU51; Q9UDZ7; Q9UIS7
Molecular Weight	~67kDa
NCBI Official Full Name	estrogen receptor isoform 1
NCBI Official Synonym Full Names	estrogen receptor 1
NCBI Official Symbol	ESR1
NCBI Official Synonym Symbols	ER; ESR; Era; ESRA; ESTRR; NR3A1
NCBI Protein Information	estrogen receptor; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha E1-E2-1-2; estrogen receptor alpha E1-N2-E2-1-2; nuclear receptor subfamily 3 group A member 1
UniProt Protein Name	Estrogen receptor
UniProt Gene Name	ESR1
UniProt Synonym Gene Names	ESR; NR3A1; ER
UniProt Entry Name	ESR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.