ER-beta-1 (Estrogen Receptor beta-1) Antibody

Mouse Monoclonal Antibody [Clone ESR2/3005]

Catalog No	Format	Size
2100-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2100-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2100-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

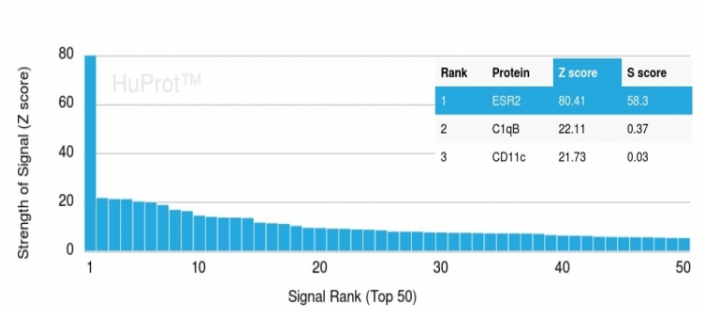
Applications	Tested Dillution	Note

Product Details

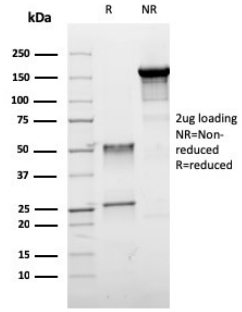
Clone	ESR2/3005
Gene Name	ESR2
Immunogen	Recombinant full-length human ESR2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	53-59kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Bladder, Breast, gastric or salivary carcinoma (IHC)., MCF-7 cells (FACS/IF). Ovarian

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

Product Images for ER-beta-1 (Estrogen Receptor beta-1) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Estrogen Receptor beta-1 Mouse Monoclonal Antibody (ESR2/3005) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.



SDS-PAGE Analysis of Purified ER-beta Mouse Monoclonal Antibody (ESR2/3005). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ER-alpha and ER-beta, contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. They are located in the nucleus, though some estrogen receptors associate with the cell surface membrane and can be rapidly activated by exposure of cells to estrogen. ER-alpha and ER-beta are differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ER-alpha and ER-beta may be regulated by distinct mechanisms even though they share many functional characteristics.

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, Cardiovascular, Infectious Disease, Nuclear Marker, 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.