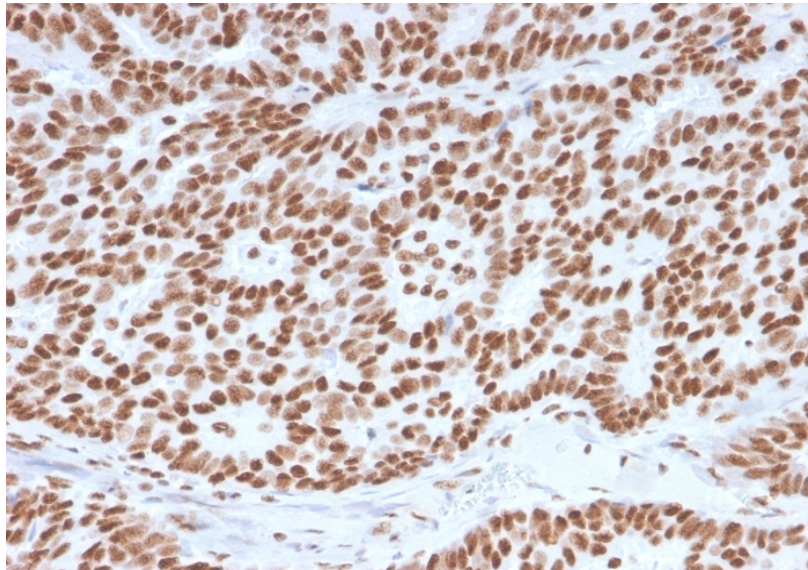


Product data:

ImmunoHistoChemistry (IHC):

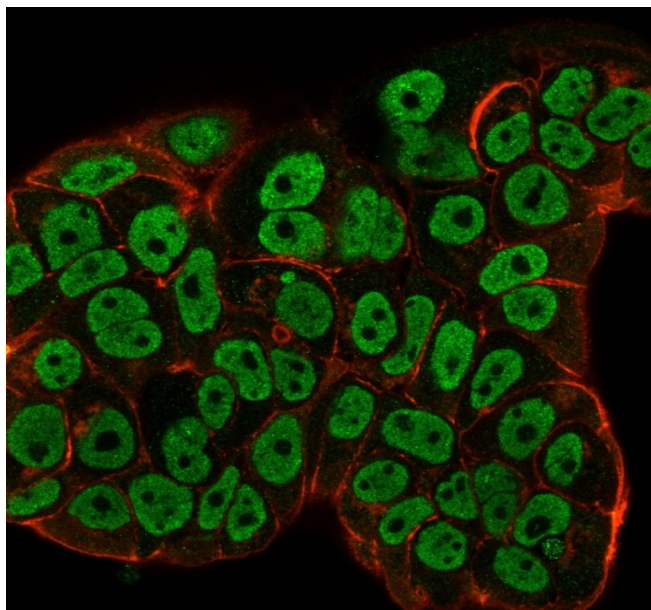
This product shows nuclear staining in human breast carcinoma sections. Recommended concentration: 1-3ug/ml



Formaldehyde-fixed, paraffin-embedded human breast carcinoma stained with ESR1 Mouse Monoclonal Antibody AE00273 at 1-2ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH6 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.

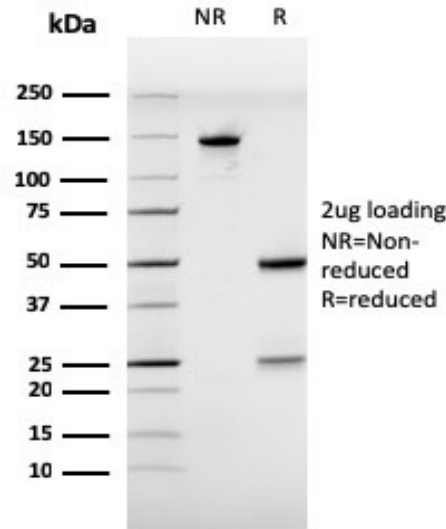
Immunocytochemistry (ICC):

This product was successfully used to stain nuclei in cell line MCF7. Recommended concentration: 1-3ug/ml



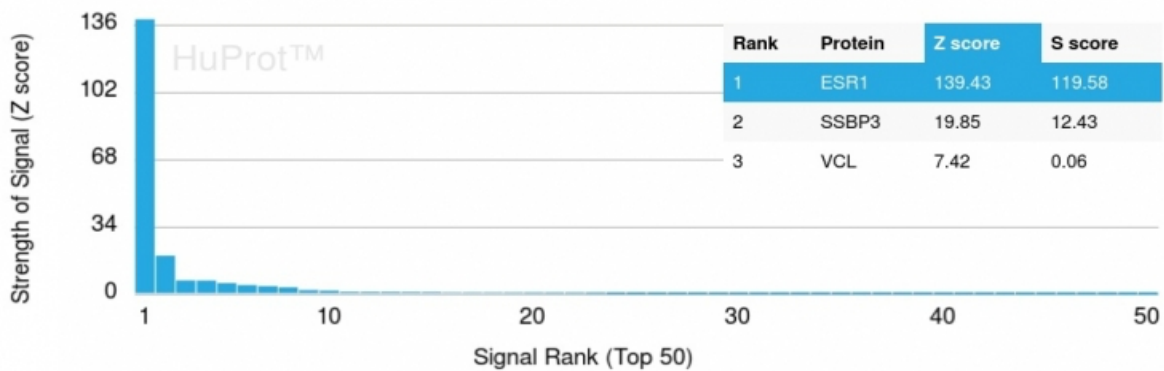
Confocal microscopy of cell line MCF7 stained with ESR1 Mouse Monoclonal Antibody AE00273 at 1ug/ml (1h at ambient temp). CF488 (green) staining of the antibody and Phalloidin (red) for membrane staining.

SDS-PAGE Analysis of Purified ESR1 Mouse Monoclonal Antibody AE00273. Confirmation of Purity and Integrity of Antibody.



Integrity of the purified antibody AE00273 under non-reduced and reduced conditions, showing intact IgG at around 150kDa (NR) and intact heavy and light chains at 50kDa and 28kDa resp. (R).

Specificity and selectivity of AE00273 to ESR1 were tested against >19,000 full-length human proteins on a human protein array. A protein BLAST search against *H. sapiens* revealed the following closely related protein: ESR2 and ERR3. These proteins were part of the array used and showed no cross-reactivity signals.



Cross-reactivity assessment of ESR1 Mouse Monoclonal Antibody AE00273 (1ug/ml) on CDI's Protein Array containing more than 19,000 full-length human proteins.

The Z-score represents the strength of a signal that an antibody (through a fluorophore-tagged secondary reagent) produces when binding to a particular protein on the array. Z-scores are in units of standard deviations (SD's) above the mean value of all signals generated on that array. When Z-scores are arranged in descending order, the difference between two successive values will be the S-score for the first. Thus, the S-score represents the relative specificity of the antibody to its intended target. An antibody is considered specific to its intended target, when it has an S-score of at least 2.5. For example, if an antibody binds to intended protein X with a Z-score of 43 and to the cross-reacting protein Y with a next Z-score of 14, then the S-score for the antibody to intended target X equals 29 (43-14).