

Estrogen Receptor- α Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 3335

Size: 100ug Protein G-purified antibody in PBS, pH 7.4, 1mg/ml.

SPECIFICATION SUMMARY

Antigen: 6-His fusion protein containing the region encoding aa 1-190 of human estrogen receptor- α (ER- α) expressed in *E. coli*.

Host Species: Mouse

Antibody Class: IgG1/ κ

Stabilizers: None

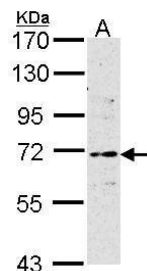
Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human and rabbit ER- α , a 65 kD protein and a member of the steroid family of nuclear receptors. ER- α is a ligand-activated transcription factor that, when bound to estrogen, induces a conformational change that allows dimerization and binding to estrogen response element sequences. When bound to DNA, ER- α can positively or negatively regulate gene transcription.

APPLICATIONS

Immunoblotting: use at 1-5ug/ml.



30ug of MCF7 whole cell lysate, 7.5% SDS-PAGE, #3335 at 2ug/ml.

Immunohistochemistry: frozen sections, use at 1-10ug/ml.

FACS: use at 1-10ug/ml.

Immunoprecipitation: use at 1-5ug/ml.

Positive controls: MCF-7 cells and recombinant protein.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at $\leq -20^{\circ}\text{C}$. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.