

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Estrogen Receptor- β Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 3336

Size: 100 ug Protein G-purified antibody in PBS, pH 7.4

SPECIFICATION SUMMARY

Antigen: 6-His fusion protein containing the region encoding aa 1-153 of human estrogen receptor- β (ER- β) expressed in *E. coli*.

Host Species: Mouse

Antibody Class: IgG2b/ κ

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human ER- β , a novel receptor (approx. 52 kD) recently isolated from testis. The size and structure of ER- β are very similar to ER- α with the ligand and DNA binding domains being highly conserved. The N-terminus of each receptor, which serves as their transactivation domain, are significantly different. Like ER- α , ER- β binds to estrogen with a high affinity and regulates estrogen-specific gene activation through direct interaction with estrogen response elements.

APPLICATIONS

Immunoblotting: use at 1-5 ug/ml.

Positive controls: Native receptor from human thymus, spleen, ovary, and testis or recombinant protein.

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 -70°C. Avoid multiple freeze-thaw cycles.

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