

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Mre11 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56211

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

SPECIFICATION SUMMARY

Antigen: GST fusion protein corresponding to aa 182-582 of Mre11 expressed in *E. coli*.

Host Species: Mouse

Antibody Class: IgG1/ κ

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human Mre11, an 80 kD protein that acts as a Mn²⁺-dependent double stranded DNA 3' to 5' exonuclease and a single stranded DNA endonuclease. It is part of a larger complex with Rad50, p95 (Nibrin), and possibly other proteins involved in the nucleolytic end-processing of double strand breaks and telomere maintenance.

APPLICATIONS

Immunoblotting, immunoprecipitation: use at 1-5 ug/ml.

Positive control: T24 cells, recombinant fusion 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.

REFERENCES

Trujillo, KM et al. 1998. *J Biol Chem* 273: 21447-21450; Carney, JP et al. 1998. *Cell* 93: 477-486; Moreau, S et al. 1999. *Mol Cell Biol* 19: 556-566.

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