

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Anti-FKBP52 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 11103 (clone Hi52C)

**Size:** 100ug in PBS, pH 7.4, purified by Protein G affinity chromatography.

### BACKGROUND

FK506-binding proteins, FKBP51 and FKBP52, are high molecular weight immunophilins that are part of the mature glucocorticoid receptor heterocomplex. The N-terminal domains of these proteins bind FK506 and have peptidyl-prolyl isomerase activity that converts prolyl peptide bonds within target proteins from cis- to trans-proline. The C-terminal domains contain the tetratricopeptide repeats that are involved in protein-protein interactions with Hsp90. Although FKBP52 and FKBP51 share ~75% sequence similarity, they affect hormone binding by glucocorticoid receptors differently and have different Hsp90-binding characteristics. In addition, FKBP51 is linked to the progesterone receptor while FKBP52 is linked to progesterone, androgen, and glucocorticoid receptors.

### SPECIFICATION SUMMARY

**Antigen:** Recombinant full-length FKBP52 with an N-terminal polyhistidine tag.

**Host Species:** Mouse

**Antibody Class:** IgG1

**Preservatives:** 0.09% sodium azide

**Other Additives:** 50% glycerol

### SPECIFICITY

This antibody recognizes human, mouse, rat, dog, and hamster FKBP52.

### APPLICATIONS

*Immunoblotting:* use at 0.5-1ug/ml. A band of ~52 kDa is detected.

*Immunohistochemistry:* use at 4-5ug/ml

*Immunoprecipitation:* 5ug on 10-20ul Protein A-Sepharose + 100ul sample.

These are recommended concentrations.

User should determine optimal concentrations for their application.

*Positive control:* HeLa cell lysate, rat kidney and rat/mouse testes tissue extracts.

### 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 -20°C. Avoid repeated freezing and thawing.

### REFERENCE

Nair, SC et al. 1997 Mol Cell Biol 17: 594-603

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