

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Anti-Hsp40 (Ydj1) Monoclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 11114 (clone 1G10.H8)

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

### **BACKGROUND**

Members of the human Hsp40/DnaJ protein family feature a J domain (named for the bacterial DnaJ protein). The J domain spans the first 75 N-terminal amino acids and is separated from the C-terminus by a glycine-phenylalanine-rich domain. The Hsp40/DnaJ proteins play many different roles in cellular processes such as folding, translocation, degradation, and assembly of multi-protein complexes. Hdj1, the first human Hsp40/DnaJ protein identified, plays an important role in protein translation and folding as well as in regulation of Hsp70 function. Hsp40 stimulates ATPase activity of Hsp70 which in turn causes conformational changes in unfolded proteins.

### **SPECIFICATION SUMMARY**

**Host Species:** Mouse

**Antigen:** Full-length yeast Hsp40 (Ydj1)

**Antibody Class:** IgG1

**Preservatives:** None.

### **SPECIFICITY**

This antibody recognizes yeast Hsp40 (Ydj1). It does not cross-react with human, mouse, or rat Hsp40.

### **APPLICATIONS**

*Immunoblotting:* use at 0.5-1ug/ml. A band of ~40 kDa is detected.

*ELISA*

*Immunoprecipitation*

User should determine optimal concentrations for their application.

### **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.

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