

## EndoPDI Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 56458 (clone 2E7/7)  
**Size:** 100ug in PBS (1mg/ml), pH 7.4,  
50% glycerol, 0.09% sodium azide.  
Purified by Protein G affinity  
chromatography.

### BACKGROUND

Endothelial protein disulfide isomerase (EndoPDI) is a thiredoxin member of the protein disulfide isomerase family of chaperones. This enzyme is localized in the endoplasmic reticulum in primary endothelial cells but colocalizes with nucleoli in the nuclei of breast, colon, and kidney cancer cells. EndoPDI mRNA and protein expression is induced by hypoxia and exhibits a protective effect on endothelial cells during hypoxia.

### SPECIFICATION SUMMARY

**Antigen:** Synthetic peptide corresponding to aa 52-63 (ADGEDGQDPHSK) of human EndoPDI (accession no. NP\_001139021).  
**Host Species:** Mouse  
**Antibody Class:** IgG2a

### SPECIFICITY

This antibody recognizes human EndoPDI.

### APPLICATIONS

**Immunoblotting:** use at 1ug/ml. A band of ~48kDa is detected.

**Positive control:** heat-shocked HeLa cell lysate.

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 -20°C. Avoid repeated freeze-thaw cycles.

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