

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Anti-CIDE-A (CT) Antibody

### ORDERING INFORMATION

**Catalog No.:** 2089

**Size:** 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

### BACKGROUND

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated Dnase. DFF45/ICAD has been identified as an inhibitor of caspase activated Dnase DFF40/CAD. DFF45-related proteins CIDE-A and CIDE-B have recently been identified. CIDE contains a new type of domain termed CIDE-N, which has high homology with the regulatory domains of DFF45/ICAD and DFF40/CAD. Expression of CIDE-A induces DNA fragmentation and activates apoptosis, which is inhibited by DFF45. CIDE-A is a DFF45-inhibitable effector that promotes cell death and DNA fragmentation. CIDE-A is expressed in many tissues.

### SPECIFICATION SUMMARY

**Antigen:** Peptide corresponding to aa 200-214 of mouse CIDE-A.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes mouse CIDE-A (25kD). No cross-reactivity with CIDE-B.

### APPLICATIONS

*Immunoblotting:* use at 1:500-1:1,000 dilution.

*Positive control:* Tissue lysate of mouse heart.

### 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 multiple freeze-thaw cycles.

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