

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-DR4 (NT) Antibody

ORDERING INFORMATION

Catalog No.: 1167

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

BACKGROUND

Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain-containing receptors, TNFR1 and Fas. Another cell death receptor was recently identified and designated DR4 (for death receptor 4). The ligand for DR4 has been designated TRAIL and is a new member of the TNF family. Therefore, DR4 is also called TRAIL receptor-1. DR4 is expressed in most human tissues including spleen, peripheral blood, small intestine, and thymus. Like TNFR1, Fas and DR3, DR4 mediates TRAIL-induced apoptosis and NF- κ B activation in many tissues and cells.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 1-20 of human DR4 mature protein.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human DR4 (57 kD).

APPLICATIONS

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

Positive control: Whole cell lysate from HeLa or Jurkat cells.

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