



Mouse Anti-Human TRAIL

| Cat. No. | Format | Size |
|----------|-----------------|--------|
| 11040-01 | Purified (UNLB) | 0.5 mg |
| 11040-08 | Biotin (BIOT) | 0.5 mg |

Overview

| | |
|--------------------------|--------------------------------------|
| Clone | SB91a |
| Isotype | Mouse (BALB/c) IgG _{2b} K |
| Immunogen | Recombinant TRAIL |
| Specificity | Human TRAIL |
| Alternate Name(s) | CD253, Apo-2 ligand, Apo-2L, TNFSF10 |

Description

Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is a member of the TNF family of cytokines. This type II transmembrane protein is expressed by several cytotoxic immune cells, including natural killer cells and activated T cells, and is selective for tumorigenic and virally infected cells. TRAIL can bind to DR4 and DR5 receptors on target cells which facilitates recruitment of numerous signaling proteins to form a death-inducing signaling complex. This signaling complex is then believed to propagate the apoptotic signal through the recruitment and activation of caspase-8.

Numerous studies have identified TRAIL as a potent apoptotic factor in a variety of human cancer cell lines, but this cytokine does not appear to affect normal cell lines. Therefore, the selectivity and anti-tumorigenic properties of TRAIL make it an intriguing and potentially therapeutic agent in the treatment of cancer.

Applications

ELISA – Quality tested

Working Dilutions

| | | |
|--------------|--------------------------|-----------|
| ELISA | Purified (UNLB) antibody | ≤ 1 µg/mL |
| | BIOT conjugate | ≤ 1 µg/mL |

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL PBS/NaN₃. Store at 2-8°C.
- Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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