

## Product datasheet for **AP31097BT-N**

### Tnfsf10 Rabbit Polyclonal Antibody

#### Product data:

|                        |   |
|------------------------|---|
| Product Type:          | Primary Antibodies  |
| Applications:          | ELISA, WB   |
| Recommended Dilution:  | <b>Direct ELISA:</b> To detect Mouse TRAIL by Direct ELISA (using 100µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotin conjugated antibody, in conjunction with with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Mouse TRAIL.<br><b>Sandwich ELISA:</b> To detect Mouse TRAIL by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotin conjugated antibody, in conjunction with Purified Anti-Mouse TRAIL (Cat.-No AP31097BT-N or AP31097BT-S) as a Capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Mouse TRAIL.<br><b>Western Blot:</b> To detect Mouse TRAIL by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Mouse TRAIL is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. |
| Reactivity:            | Mouse   |
| Host:                  | Rabbit  |
| Clonality:             | Polyclonal  |
| Immunogen:             | Highly pure (>98%) recombinant Human soluble TRAIL Receptor-2.  |
| Specificity:           | Recognizes Mouse TRAIL. Other species not tested.   |
| Formulation:           | PBS, pH 7.2 without preservatives<br>Label: Biotin<br>State: Lyophilized (sterile filtered) purified Ig fraction  |
| Reconstitution Method: | Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.   |
| Purification:          | Affinity Chromatography employing an immobilized Mouse TRAIL matrix   |
| Conjugation:           | Biotin  |
| Storage:               | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing.   |



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| <b>Stability:</b>     | Shelf life: one year from despatch.  |
| <b>Gene Name:</b>     | tumor necrosis factor (ligand) superfamily, member 10  |
| <b>Database Link:</b> | <a href="#">Entrez Gene 22035 Mouse P50592</a>   |
| <b>Background:</b>    | Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L is a new member of the TNF family. DR4 was recently identified as the receptor for TRAIL. A novel death domain containing receptor for TRAIL was more recently identified and designated DR5, Apo2, TRAIL-R2, TRICK2, or KILLER by several groups independently. Like DR4, DR5 transcript is widely expressed in normal tissues and in many types of tumor cells. DR5 binds to TRAIL and mediates TRAIL induced cell death. Overexpression of DR5 induces apoptosis and activates NF-kB. |
| <b>Synonyms:</b>      | Apo-2 ligand, TNFSF10, APO2L, Apo-2L   |