

## Product datasheet for **PP1084P2**

### TRAIL (TNFSF10) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hTRAIL/Apo2L (30 ng/ml), a concentration of 0.5 - 0.8 µg/ml of this antibody is required. ELISA: To detect hTRAIL/Apo2L by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hTRAIL/Apo2L. Western Blot: To detect hTRAIL/Apo2L 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 hTRAIL/Apo2L is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hTRAIL/Apo2L (humanTRAIL/Apo2L).
Specificity:	This antibody reacts with Human TRAIL/APO2 Ligand.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	tumor necrosis factor superfamily member 10



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**Database Link:** [Entrez Gene 8743 Human P50591](#)

**Background:** Apoptosis or programmed cell death is induced in cells by a group of death domain containing receptors. Binding of ligand to these receptors sends signals that activate members of the caspase family of proteases. The signals ultimately cause degradation of chromosomal DNA by activating DNase. TRAIL (TNF related apoptosis induced ligand) or Apo 2L initiates apoptosis of tumor cells by binding to either of its receptors, DR4 or DR5. These receptors consist of an extracellular TRAIL binding domain and a cytoplasmic "death domain". In addition, two decoy receptors for TRAIL have also been identified. These receptors, designated DcR1 and DcR2, lack the death domain. Binding of TRAIL to either of these receptors, therefore, does not transmit the death signal. Thus, these receptors represent a novel way of regulating cell sensitivity to a pro-apoptotic cytokine at the cell surface. TRAIL is expressed predominantly in spleen, lung, and prostate but also in many other tissues.

**Synonyms:** Apo-2 ligand, TNFSF10, APO2L, Apo-2L

**Note:** Centrifuge vial prior to opening!