



Anti-human TRAIL/Apo2L

20160323BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-PA11S
Size:	100 µg
Lot. No.:	According to product label
Country of origin:	Germany

Preparation: Produced from sera of rabbits immunized with highly pure (>95%) recombinant human sTRAIL/Apo2L (Glu116-Gly2814) derived from E. coli.

Target Background

Synonyms:	TNFSF10; TL2; APO2L; CD253; TRAIL; Apo-2L
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TRAIL/Apo2L is a cytotoxic protein, which activates rapid apoptosis in tumor cells, but not in normal cells. TRAIL induced apoptosis is achieved through binding to two death-signaling receptors, DR4 and DR5. These receptor types belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which activates the cell's apoptotic response. Recombinant human soluble TRAIL/Apo2L is a 168 amino acid polypeptide (19.6 kDa), consisting of the TNF homologous portion of the extracellular domain of the full length TRAIL/Apo2L protein.

Database References Antigen

Protein RefSeq:	NP_003801.1
Uniprot ID:	P50591
mRNA RefSeq:	NM_003810.3

Product Specifications

Species reactivity	human
Clone/Ab feature	Rabbit IgG
Cross reactivity	ND
Host	rabbit
Clonality	polyclonal
Purification	Protein A purified
Immunogen	Recombinant human sTRAIL/Apo21
Formulation	lyophilized
Buffer	PBS

Stability: The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.

Reconstitution: Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!

References

1. Golstein P, (1997) Current Biology 7:R750.
2. Wiley SR et al, (1995) Immunity 3:673.
3. Pitti RM et al, (1996) J Biol Chem 271:12687.
4. Emery J et al, (1998) J Biol Chem 273:14363

Applications

Western Blot: Use 1-5 µg/ml
IF/IHC: IHC (human foreskin) 5 µg/ml

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Handling/Applications

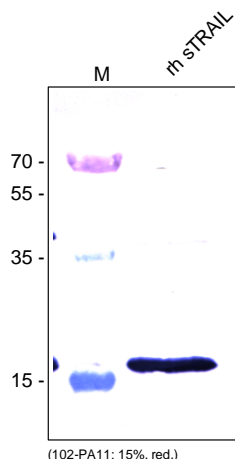


Figure 1: Western Analysis with recombinant human sTRAIL/Apo2L. Samples were loaded in 15% SDS-polyacrylamide gel under reducing conditions.

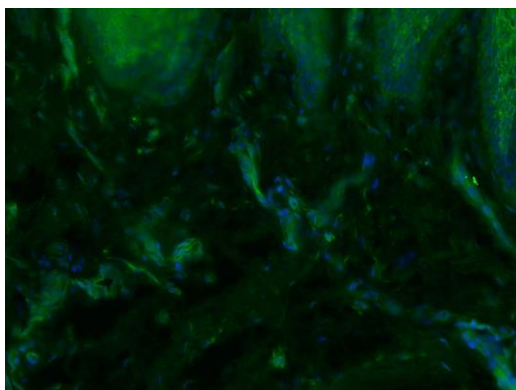


Figure 2: Immunofluorescence staining of human foreskin (cryo-section of PFA-fixed tissue) with anti-human TRAIL/Apo2L (green; 5µg/ml). Nuclei counter-stained with Dapi (blue). Specimen provided by Prof. Dr. J. Wilting and Dr. K. Buttler, Goettingen.

The experiment was performed by the research group of Prof. Dr. J. Wilting, University Göttingen, Germany.