

TRAIL, murine recombinant protein
TNF-related apoptosis-inducing Ligand, TNFSF10, Apo2 Ligand, TL2
Catalog # PBV10835r

Specification

TRAIL, murine recombinant protein - Product info

Primary Accession [P50592](#)
Calculated MW **20.0 kDa** KDa

TRAIL, murine recombinant protein - Additional Info

Gene ID **22035**
Gene Symbol **TRAIL**
Other Names
TNF-related apoptosis-inducing Ligand, TNFSF10, Apo2 Ligand, TL2

Gene Source **Murine**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **MRGGRPQKVA AHITGITRRS NSALIPISKD
GKTLGQKIES WESSRKGHSF LNHVLFNRGE
LVIEQEGLYY IYSQTYFRFQ EAEDASKMVS
KDKVRTKQLV QYIYKYTSYP DPIVLMKSAR
NSCWSRDAEY GLYSIQGGL FELKKNDRIF
VSVTNEHLMD LDQEASFFGA FLIN**

Target/Specificity
TRAIL

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.0

TRAIL, murine recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRAIL, murine recombinant protein - Images**TRAIL, murine recombinant protein - Background**

TRAIL 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 receptors belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic “death domain”, which activates the cell’s apoptotic machinery. Recombinant murine TRAIL is a 174 amino acid polypeptide (20.0 kDa), consisting of the TNF homologous portion of the extracellular domain of the full length TRAIL protein.

TRAIL, murine recombinant protein - References

Wiley S.R., et al. Immunity 3:673-682(1995).