

Recombinant Human sTRAIL/Apo2L
Catalog # PBG10459

Specification

Recombinant Human sTRAIL/Apo2L - Product Information

Recombinant Human sTRAIL/Apo2L - Additional Information

Description

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 receptors belong to the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which activates the cell's apoptotic machinery. 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.

BiologicalActivity

Assay#1: Determined by its ability to induce apoptotic cell death in TRAIL-sensitive U343MG cells. The expected **ED₅₀** for this effect is 1.0-3.0 ng/ml.
Assay#2: Measured by its ability to induce apoptosis in LN-18 cells (human glioblastoma cells). The expected **ED₅₀** for this effect is 0.8 - 2.0 ng/ml.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human sTRAIL/Apo2L is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human sTRAIL/Apo2L - 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](#)

Recombinant Human sTRAIL/Apo2L - Images