10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 Cytomety
- Cell Culture

Recombinant Human sTRAIL/Apo2L - Images