

Recombinant Human TNF- β (E.coli-derived)
Catalog # PBG10455**Specification**

Recombinant Human TNF- β (E.coli-derived) - Product Information**Recombinant Human TNF- β (E.coli-derived) - Additional Information****Description**

TNF- β is a potent mediator of inflammatory and immune responses. It belongs to the TNF family of ligands and signals through TNFR1 and TNFR2. TNF- β is produced by activated T and B lymphocytes, and has similar activities to TNF- α . Like TNF- α , TNF- β is involved in the regulation of various biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF- β is secreted as a soluble polypeptide, but can form heterotrimers with lymphotoxin- β , which effectively anchors the TNF- β to the cell surface. TNF- β is cytotoxic to a wide range of tumor cells. Recombinant human TNF- β is a secreted 171 amino acid protein (18.6 kDa) which forms an active non-disulfide linked homotrimer structure in solution.

Biological Activity

The ED_{50} as determined by the cytolysis of murine L929 cells in the presence of Actinomycin-D is ≤ 0.05 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.

Authenticity

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

Endotoxin

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

Protein Content

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

Storage

-20°C

Precautions

Recombinant Human TNF- β (E.coli-derived) is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human TNF- β (E.coli-derived) - 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 TNF- β (E.coli-derived) - Images