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

Recombinant Human sTNF Receptor Type II
Catalog # PBG10429

Specification

Recombinant Human sTNF Receptor Type II - Product Information

Recombinant Human sTNF Receptor Type II - Additional Information

Description
TNFRII is a member of the TNFR family of transmembrane proteins, and is expressed in immune cells and certain endothelial cells. It is a high affinity receptor for TNF-α but manifests a lower affinity to TNF-β. Signaling through this receptor regulates various biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. Soluble TNFRII is capable of inhibiting TNF-α induced activities by acting as a decoy receptor. Recombinant human sTNFRII is an 18.9 kDa protein (174 amino acid residues) comprising the cysteine rich ligand binding portion of the extracellular domain of the TNFRII protein.

BiologicalActivity
Determined by its inhibitory effect of the TNF-α mediated cytotoxicity in murine L-929 cells. The ED₅₀ for this effect in the presence of 0.25 ng/ml of recombinant human TNF-α, is 0.125 µg/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 sTNF Receptor Type II is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human sTNF Receptor Type II - 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 sTNF Receptor Type II - Images