
Product Data Sheet

Product Name: TNFA Mouse, Sf9
 Cat. No.: GP20969
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tnfa; Tnfsf2; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2.		
Amino Acid Sequence	LRSSSQNSSD KPAHVVANH QVEEQLEWLS QRANALLANG MDLKDNQLVV PADGLYLVYS QVLFKGQGCP DYVLLTHTVS RFAISYQEKV NLLSAVKSPC PKDTPEGAEL KPWYEPIYLG GVFQLEKGDQ LSAEVNLPKY LDFAESGQVY FGVIALHHHH HH		
Formulation	TNFA protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4).		

Introduction

Tumor necrosis factor is a cytokine involved in systemic inflammation and is a member of a group of cytokines that all stimulate the acute phase reaction. TNF is mainly secreted by macrophages. TNF causes apoptotic cell death, cellular proliferation, differentiation, inflammation, tumorigenesis and viral replication, TNF is also involved in lipid metabolism, and coagulation. TNF's primary role is in the regulation of immune cells. Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases- autoimmune diseases, insulin resistance, and cancer.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TNFA Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 162 amino acids (80-235 a.a.) and having a molecular

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mass of 18kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa).TNFA is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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