

TNF-alpha, Human CellExp™, human recombinant

CATALOG #:	6482-10	10 µg
	6482-50	50 µg
ALTERNATE NAMES:	TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, Cachectin, DIF, TNFA, TNFSF2.	
SOURCE:	Human 293 Cell Expressed	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	17 kDa, non-disulfide bonded homotrimer, glycosylated	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein	
FORMULATION:	Lyophilized from PBS	
RECONSTITUTION:	Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.	
STORAGE CONDITIONS:	Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.	

ADVANTAGES:

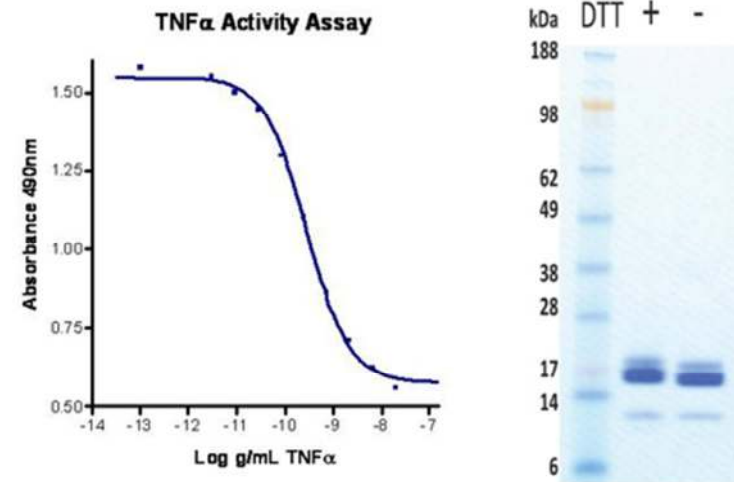
- Animal-derived product free
- High Activity
- Authentic Glycosylation

DESCRIPTION:

Tumor Necrosis Factor- α (TNF- α) is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. TNF 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.

BIOLOGICAL ACTIVITY:

ED₅₀ is typically < 0.9 ng/mL. The specific activity was determined by the dose-dependent cytotoxicity of the TNF alpha sensitive cell line L-929 in the presence of Actinomycin D.



Human Cell^{exp} Human Recombinant TNF- α

RELATED PRODUCTS:

- TNF-alpha, human recombinant (Cat. No. 1050-10, -50, -1000)
- TNF-alpha, murine recombinant (Cat. No. 1051-10, -50, -1000)
- TNF-alpha, rat recombinant (Cat. No. 1052-10, -50, -1000)
- TNF-alpha Antibody (Cat. No. 3052R-100)
- TNF-alpha Antibody (Cat. No. 3053R-100)
- TNF-alpha Antibody (Cat. No. 3054-100)

FOR RESEARCH USE ONLY! Not to be used in humans.