# antibodies - online.com







## **TNF alpha Protein**

**Images** 



#### Overview

Quantity:	50 μg
Target:	TNF alpha
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### **Product Details**

Purpose:	Recombinant Mouse TNF-alpha/TNFA Protein (aa 89-235)(Active)
Sequence:	Asp89-Leu235
Characteristics:	Recombinant Mouse Tumor Necrosis Factor alpha is produced by our E.coli expression system and the target gene encoding Asp89-Leu235 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 2-8 pg/ml.

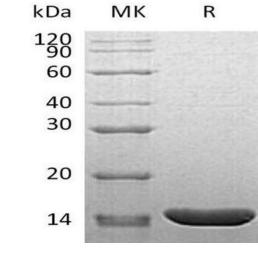
## **Target Details**

Target:	TNF alpha
Alternative Name:	TNF-alpha/TNFA (TNF alpha Products)

#### **Target Details**

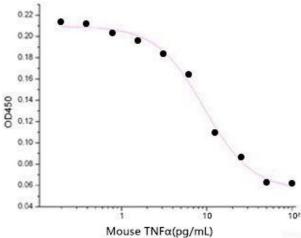
rarget Details	
Background:	Background: Tumor Necrosis Factor (TNF) is a member of the Tumor Necrosis Factor family. TNF exists as a homotrimer and interacts with SPPL2B. TNF is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. TNF is a key cytokine in the development of several inflammatory disorders. It contributes to the development of type 2 diabetes throught its effects on insulin resistance and fatty acid metabolism.  Synonym: Tumor Necrosis Factor, Cachectin, TNF-Alpha, Tumor Necrosis Factor Ligand Superfamily Member 2, TNF-a, Tumor Necrosis Factor, Membrane Form, Tumor Necrosis Factor, Tnf,Tnfsf2,DIF,TNF-alpha,Tnfa,TNFalpha,Tnfsf1a,TNFSF2
Molecular Weight:	16.4 kDa
UniProt:	P06804
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, TLR Signaling, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity, Hepatitis C, Protein targeting to Nucleus, Inflammasome
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20°C for 3 months.



## **Western Blotting**

Image 1.



#### **ELISA**

Image 2.