

Datasheet for ABIN7320992

TNF alpha Protein**2** Images[Go to Product page](#)

Overview

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

Product Details

Purpose:	Recombinant Rabbit TNF-alpha/TNFSF2/TNFa Protein
Sequence:	Val77-Leu235
Characteristics:	Recombinant Rabbit TNFa is produced by our E.coli expression system and the target gene encoding Val77-Leu235 is expressed.
Purity:	> 95 % as determined by reducing 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 3.5 pg/ml.

Target Details

Target:	TNF alpha
Alternative Name:	TNF-alpha/TNFSF2/TNFa (TNF alpha Products)

Target Details

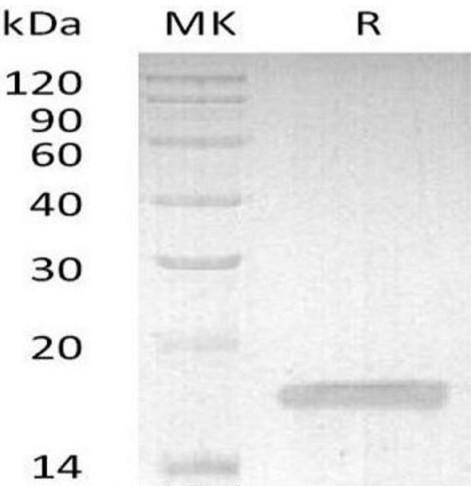
Background:	<p>Background: Tumor necrosis factor alpha (TNFα) is the prototypic ligand of the TNF superfamily. TNFα forms a homotrimer and functions by activating two types of receptors TNF-R1 (TNF receptor type 1,p55R) and TNF-R2 (TNF receptor type 2,p75R). TNFα is a pleiotropic cytokine that is capable to promote inflammation, to induce apoptotic cell death, and to inhibit tumorigenesis and viral replication. TNFα is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells.</p> <p>Synonym: Tumor Necrosis Factor, Cachectin, TNF-Alpha, Tumor Necrosis Factor Ligand Superfamily Member 2, TNF-a, TNF, TNFA, TNFSF2</p>
Molecular Weight:	17.59 kDa
UniProt:	P04924
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
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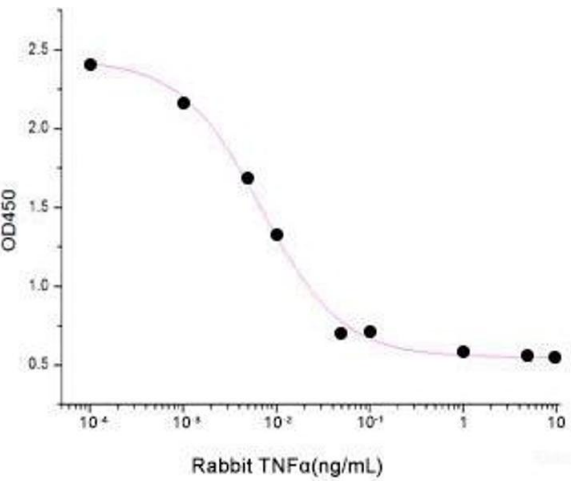
Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 300 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>



Western Blotting

Image 1.



ELISA

Image 2.