



# Recombinant Dog Tumor necrosis factor (TNF)

<b>Product Code</b>	CSB-EP023955DO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P51742
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GPQREELPNGLQLISPLAQTVKSSSRTPSDKPVAVHVVANPEAEGQLQWLSRR ANALLANG VELTDNQLIVPSDGLYLIYSQVLFKGGQCPSTHVLLTHTISRFAVSYQTKVNLLS AIKSP CQRETPEGTEAKPWYEPYIYLGGVFQLEKGDRLSAEINLPNYLDFAESGQVYFG IAL
<b>Source</b>	E.coli
<b>Target Names</b>	TNF
<b>Protein Names</b>	Recommended name: Tumor necrosis factor Alternative name(s): Cachectin TNF-alpha Tumor necrosis factor ligand superfamily member 2 Short name= TNF-a Cleaved into the following 6 chains: 1. Tumor necrosis factor, membrane form AI
<b>Expression Region</b>	57-233
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.