



Recombinant Human Tumor necrosis factor alpha, soluble form (TNF- α)

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|---------------------|-----------------------|------------------|--------|
| Type: | Recombinant | Cat. No.: | 41080 |
| Tag: | His tag on N terminal | Size: | 0.1 mg |
| Source: | E.Coli | Purity | >90% |
| Other names: | TNF- α | Species: | Human |

Introduction to the Molecule

TNF- α is a cytokine produced by monocytes and macrophages. It consists of a 35 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 177 aa extracellular domain. Cleavage of membrane bound TNF- α by TACE/ADAM17 releases a 55 KDa soluble trimer. TNF- α functions as a modulator of immune response and plays a role in the pathogenesis of many disease states.

Amino Acid Sequence

MKWVWALLLLAALGSGRAERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAE
FSVDETGQMSATAKGRVRLNNDVDCADMVGTFTDTEPAKFKMKYWGVA

Formulation

Lyophilised in 1 mg/mL in PBS.

Reconstitution

Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.

Storage

Store lyophilized protein at -20°C . Aliquot reconstituted protein and store at -80°C for long term storage.

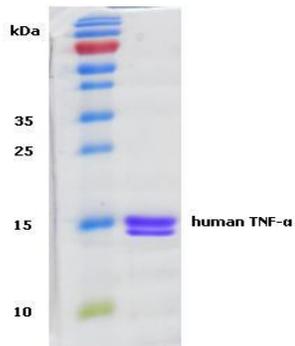
Applications

ELISA and Western blotting.





SDS-PAGE Gel



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