

TNF alpha Antibody (RQ4613)

Catalog No.	Formulation	Size
RQ4613	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P01375
Applications	Western Blot : 0.5-1ug/ml ELISA (Capture) : 1-5ug/ml (human recombinant protein)



Western blot testing of human recombinant protein with TNF alpha antibody.

Description

TNF (Tumor Necrosis Factor alpha) 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.

Application Notes

Optimal dilution of the TNF alpha antibody should be determined by the researcher.

Immunogen

Amino acids V77-L233 from the human protein were used as the immunogen for the TNF alpha antibody.

Storage

After reconstitution, the TNF alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.