

TNF alpha Antibody (R32668)

Catalog No.	Formulation	Size
R32668	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P06804
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TNF alpha antibody is available for research use only.



Western blot testing of mouse thymus tissue with TNF alpha antibody at 0.5ug/ml.
Predicted molecular weight ~26 kDa.

Description

TNFα (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. And this cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Moreover, 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 202-235 (FQLEKGDQLSAEVNLPKYLDFAESGQVYFGVIAL) from the mouse 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.