

## TNF alpha Antibody (R32668)

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

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
<b>UniProt</b>	P06804
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	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

TNF $\alpha$  (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/TNFR. 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.