

## TNF alpha antibody

## Cat. No. GTX110520

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC-Fr
Reactivity	Human, Mouse, Rat, Bovine

References ( 97 )

 Review ( 2 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

TNF alpha antibody recognizes tumor necrosis factor alpha protein, a cytokine with a predicted molecular weight of 26 kDa. TNF alpha is mainly secreted by macrophages, but is also produced by various immune cells such as neutrophils, T helper cells, and NK cells. Dysregulation of TNF alpha expression is associated with various diseases including cancers and autoimmune disorders.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent

Not tested in other applications.

## Calculated MW

26 kDa. ( [Note](#) )

## Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.28 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length human TNF alpha Recombinant protein.
Purification	Purified by antigen-affinity chromatography.



For full product information, images and publications, please visit our [website](#).

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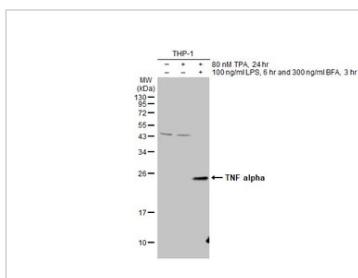
**Conjugation**

Unconjugated

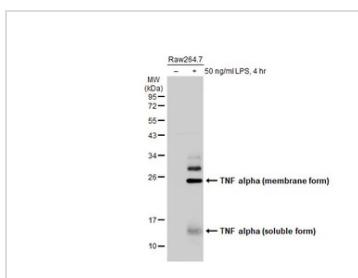
**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

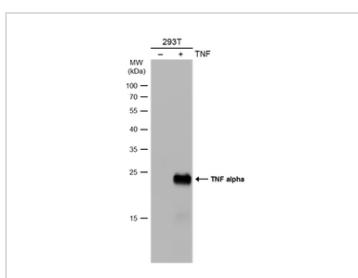
## DATA IMAGES

**GTX110520 WB Image**

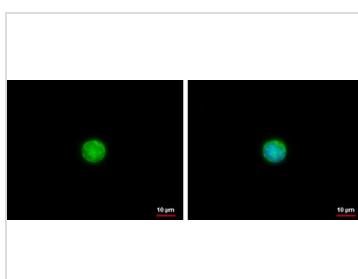
Untreated (-) and treated (+) THP-1 whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GTX110520) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**GTX110520 WB Image**

Untreated (-) and treated (+) Raw264.7 whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GTX110520) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**GTX110520 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GTX110520) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**GTX110520 ICC/IF Image**

TNF alpha antibody detects TNF alpha protein at membrane by immunofluorescent analysis.

Sample: jurkat cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: TNF alpha protein stained by TNF alpha antibody (GTX110520) diluted at 1:500.

Blue: Hoechst 33342 staining.



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