

## 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 ( 91 )

★★★★☆ Review ( 1 )

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](#).

Date 2025 / 05 / 13 Page 1 of 2

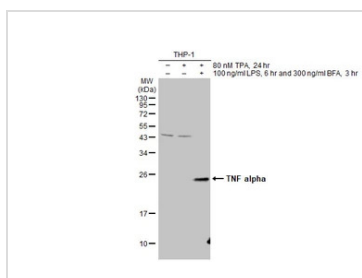
**Conjugation**

Unconjugated

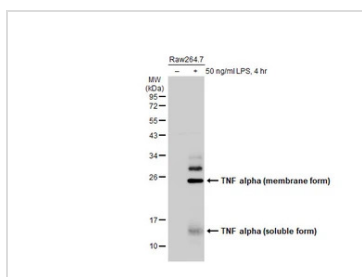
**Note**

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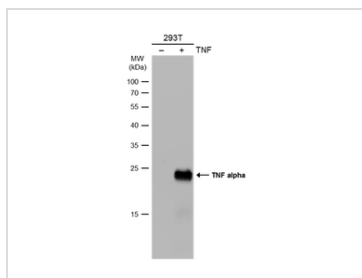
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**DATA IMAGES**

**GTX110520 WB Image**

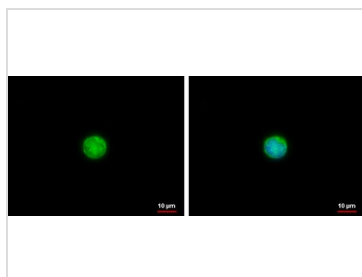
Untreated (–) and treated (+) THP-1 whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GTX110520) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**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.



For full product information, images and publications, please visit our [website](https://www.genetex.com).