

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 (93)

★★★★☆ 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.



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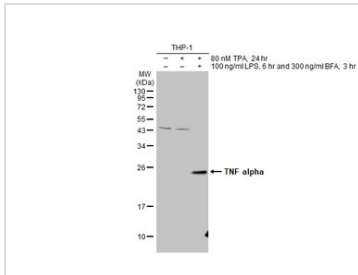
Conjugation

Unconjugated

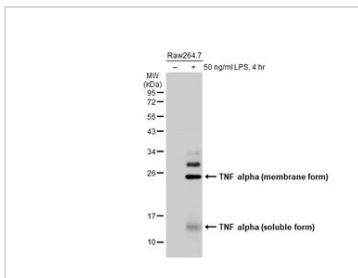
Note

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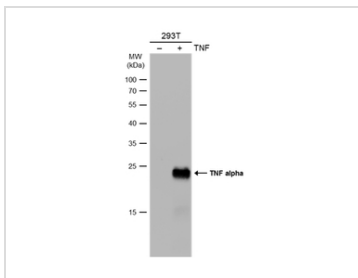
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DATA IMAGES

GTx110520 WB Image

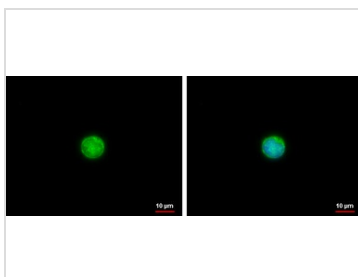
Untreated (–) and treated (+) THP-1 whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with TNF alpha antibody (GTx110520) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


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.



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