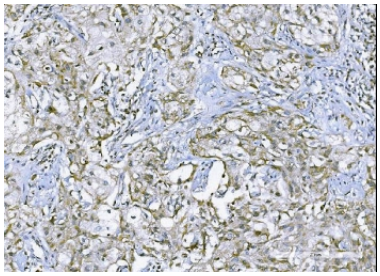
TNF alpha Antibody (R30264)

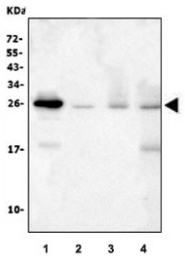
Catalog No.	Formulation	Size
R30264	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

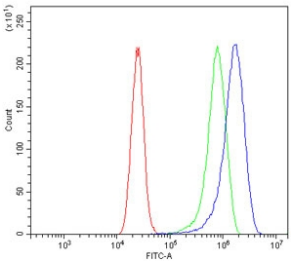
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P01375
Localization	Cell membrane, secreted
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This TNF alpha antibody is available for research use only.



IHC staining of FFPE human B lymphocytic tumor tissue with TNF alpha antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human U937, 2) rat spleen, 3) rat C6 and 4) mouse spleen tissue lysate with TNF alpha antibody. Predicted molecular weight ~26 kDa.



Flow cytometry testing of human Caco-2 cells with TNF alpha antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TNF alpha antibody.

Description

Tumor Necrosis Factor alpha is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It binds and functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. It is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation and 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

The stated application concentrations are suggested starting points. Titration of the TNF alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 201-233 (QLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL) were used as the immunogen for this 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.