

Nur für Forschungszwecke

# TNF Alpha Monoklonaler Antikörper



Katalog-Nr.:60291-1-Ig

Vorgestelltes Produkt

299 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 60291-1-Ig	<b>GenBank-Zugangsnummer:</b> BC028148	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 2000 µg/ml von7124 Nanodrop;	<b>GeneID (NCBI):</b> 7124	<b>CloneNo.:</b> 7B8A11
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> tumor necrosis factor (TNF superfamily, member 2)	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000 IHC 1:200-1:800 IF 1:50-1:500
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 233 aa, 26 kDa	
<b>Immunogen Katalognummer:</b> AG11413	<b>Beobachtete Masse:</b> 17-22 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

ELISA, IF, IHC, RIP, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Affe, Hausschwein, Huhn, Human, Maus, Ratte, Rind

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** U-937-Zellen, 4T1-Zellen, HeLa-Zellen, HL-60-Zellen, PC-12-Zellen, THP-1-Zellen

**IHC:** humanes Mammakarzinomgewebe, humanes Tonsillitisgewebe

**IF:** humanes Mammakarzinomgewebe,

## Hintergrundinformationen

TNF, as also known as TNF-alpha, or cachectin, is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. It is expressed as a 26 kDa membrane bound protein and is then cleaved by TNF-alpha converting enzyme (TACE) to release the soluble 17 kDa monomer, which forms homotrimers in circulation. It is produced chiefly by activated macrophages, although it can be produced by many other cell types such as CD4+ lymphocytes, NK cells, neutrophils, mast cells, eosinophils, and neurons. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, INS resistance, and cancer.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yang Liu	36175851	BMC Mol Cell Biol	IF
Yuqian Wang	32942847	J Agric Food Chem	WB
Xinmei Huang	34478541	J Clin Endocrinol Metab	IHC

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

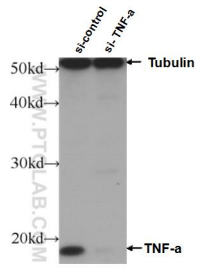
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

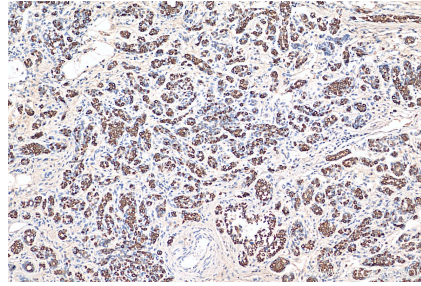
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

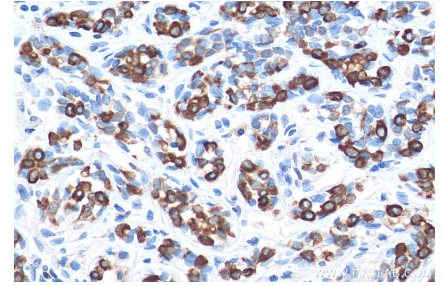
## Ausgewählte Validierungsdaten



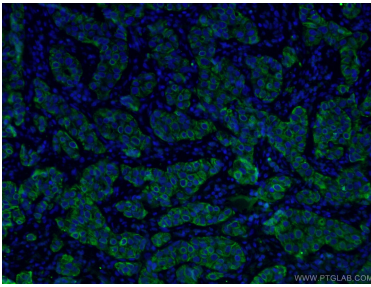
WB result of TNF alpha antibody (60291-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TNF alpha transfected HeLa cells.



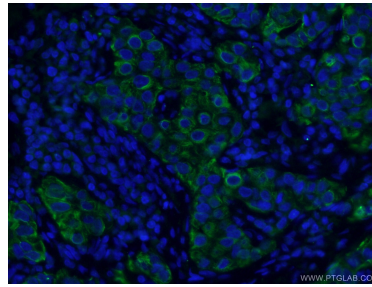
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60291-1-Ig (TNF Alpha antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



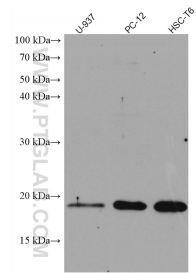
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60291-1-Ig (TNF Alpha antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 60291-1-Ig (TNF alpha antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 60291-1-Ig (TNF alpha antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 60291-1-Ig (TNF Alpha antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.