

For Research Use Only

# Mouse TNF-alpha Recombinant monoclonal antibody, PBS Only

Catalog Number:80260-2-PBS



## Basic Information

<b>Catalog Number:</b> 80260-2-PBS	<b>GenBank Accession Number:</b> NM-013693	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 21926	<b>CloneNo.:</b> 240702A5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P06804	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor necrosis factor	
<b>Immunogen Catalog Number:</b> EG31366		

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
mouse

## Background Information

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/TNFR2. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Mouse and human TNF-alpha share 79% amino acid sequence identity. Unlike human TNF-alpha, the mouse form is glycosylated. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles.

## Storage

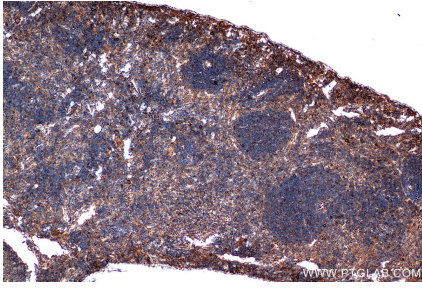
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

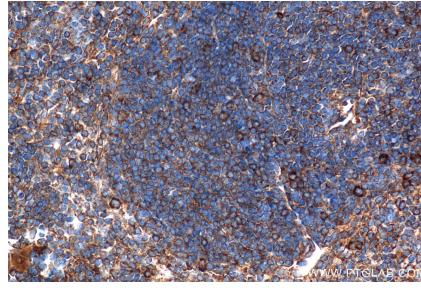
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 80260-2-RR (Tnfa antibody) at dilution of 1:2000 (under 10x lens). This data was developed using the same antibody clone with 80260-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 80260-2-RR (Tnfa antibody) at dilution of 1:2000 (under 40x lens). This data was developed using the same antibody clone with 80260-2-PBS in a different storage buffer formulation.

