

TNF-alpha Recombinant antibody

Cat: B20004R

Company: HaoKebio

Uniprot ID: P06804

Applications: IHC:1:100-1:300

Organism: Rabbit

IHC-Polymer:1:400-1:1200

Species reactivity: Mouse Rat

IHC-TSA:1:500-1:1500

Molecular Weight Calculation: 17 kDa

WB:1:500-1:1000

Observed Molecular Weight: 17 kDa

Background:

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.

Synonyms:

DIF, Tnf, TNF alpha, Tnfa, TNFalpha, TNF-alpha, Tnfsf1a, TNFSF2, TNF α , TNF- α , tumor necrosis factor

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm, Secreted

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 μ g/ml BSA and 50% glycerol.

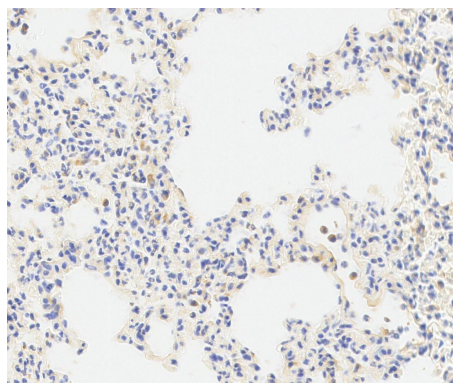
Storage:

Store at -20 °C for one year.

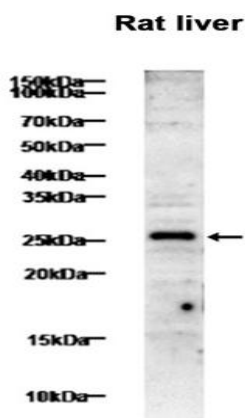
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse lung, 4% PFA 12-24h



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

Source of Reagents:

发表[中文论文]请标注:TNF- α (B20004R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:TNF- α (B20004R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.