

## TNF-alpha Recombinant antibody

**Cat:** B20003R

**Company:** HaoKebio

**Uniprot ID:** P01375

**Applications:** IHC:1:500-1:2000

**Organism:** Rabbit

IHC-Polymer:1:2000-1:8000

**Species reactivity:** Human Mouse

IHC-TSA:1:2500-1:10000

**Molecular Weight Calculation:** 26 kDa

IF:1:50-1:100

**Observed Molecular Weight:** 26 kDa

WB:1:1000

### 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<sup>+</sup> 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. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer.

### Protein full name:

tumor necrosis factor (TNF superfamily, member 2)

### Synonyms:

TNF, TNF alpha, TNF-a, C-domain 1, C-domain 2

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Secreted

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

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

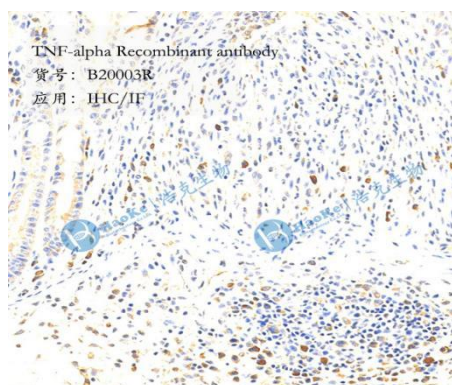
### Storage:

Store at -20 °C for one year.

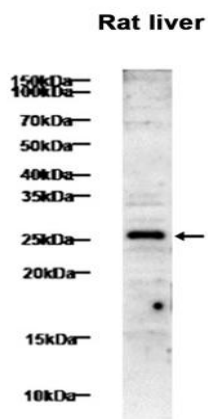
### Experimental procedure:

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 intestines, 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-alpha(B20003R)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-alpha(B20003R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.