

# Rabbit anti-Human TNF-alpha(CAP)

**Catalog No.: RM17657**

## Basic Information

**Catalog No.**  
RM17657

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification


**Endotoxin Level**


**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.


**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.1% Bredas MB-1, PH 7.4.

## Contact

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 | [support@abclonal.com](mailto:support@abclonal.com)

 | [www.abclonal.com](http://www.abclonal.com)

## Background

Tumor necrosis factor alpha (TNF $\alpha$ ) is a cytokine produced primarily by monocytes and macrophages. It is found in synovial cells and macrophages in the tissues. The primary role of TNF $\alpha$  is in the regulation of immune cells. TNF $\alpha$  is able to induce apoptotic cell death, to induce inflammation, and to inhibit tumorigenesis and viral replication. Dysregulation of TNF $\alpha$  production has been implicated in a variety of human diseases, including major depression, Alzheimer's disease and cancer. Recombinant TNF $\alpha$  is used as an immunostimulant under the INN tasonermin. TNF $\alpha$  can be produced ectopically in the setting of malignancy and parallels parathyroid hormone both in causing secondary hypercalcemia and in the cancers with which excessive production is associated.

## Immunogen Information

**Immunogen**  
Recombinant TNF-alpha Protein

## Cross-Reactivity

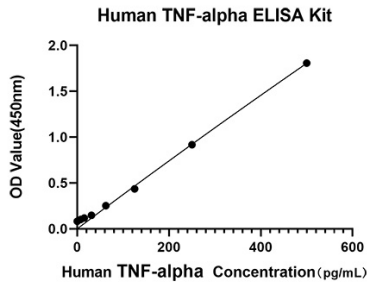
No cross-reactivity in ELISA assay with recombinant hNFKB1  $\square$ mTNFA  $\square$ rTNFA

## Assay Applications

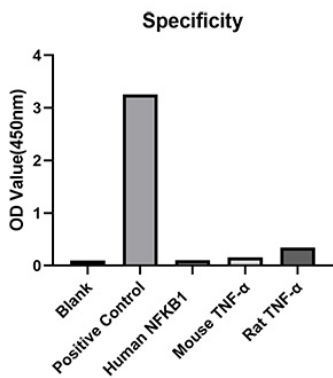
Human TNF-alpha Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2ug/mL	Rabbit anti-Human TNF-alpha(CAP)(Cat. No.RM17657)
ELISA Detection	0.006-0.025ug/mL	Rabbit anti-Human TNF-alpha(DET)(Cat. No.RM17658)
Standard	7.81-500pg/mL	Recombinant Human TNF-alpha Protein

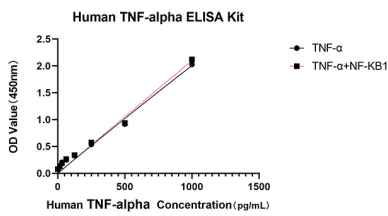
# Validation Data



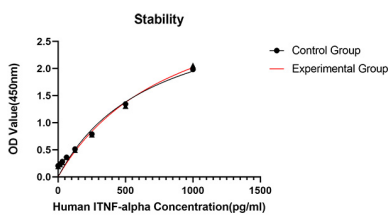
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



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Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.