Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human TNF-alpha mAb

Catalog No.: RMK0415

Basic Information

Catalog No.
RMK0415

Catagory
Elisa Antibody Kit

Application
ELISA,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

Contact

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Background

This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. 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, psoriasis, rheumatoid arthritis ankylosing spondylitis, tuberculosis, autosomal dominant polycystic kidney disease, and cancer. Mutations in this gene affect susceptibility to cerebral malaria, septic shock, and Alzheimer disease. Knockout studies in mice also suggested the neuroprotective function of this cytokine.

Immunogen Information

Immunogen
Recombinant human TNF-alpha protein.

Cross-Reactivity

No cross-reactivity in immunoassay with recombinant Protein
Human IL-1 alpha, Human IL-1 beta, Human IL-2, Human IL-4, Human IL-6, Human EGF, Human GM-CSF, Human TNF RII, Mouse IL-1 beta, Mouse TNF-alpha, Mouse EGF, Rat TNF-alpha, Sheep TNF-alpha

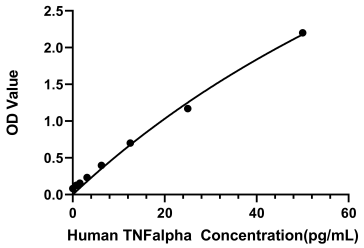
Assay Applications

Human TNF-alpha Sandwich Immunoassay

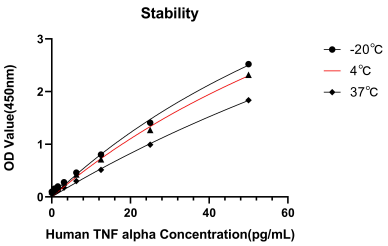
		Recommended Concentration	Sample
ELISA	Capture	1-4 μg/mL	Rabbit anti-Human TNF-alpha mAb (Cat. No. RMK0415)
	Detection	0.0125-0.05 μg/mL	Rabbit anti-Human TNF-alpha mAb (Cat. No. RMK0416)
	Standard	0.78-50 pg/mL	Recombinant Human TNF-alpha Protein (Cat. No. RP00001)

CLIA	Capture	1-4 μg/mL	Rabbit anti-Human TNF-alpha mAb (Cat. No. RMK0416)
	Detection	0.5-2 μg/ml	Rabbit anti-Human TNF-alpha mAb (Cat. No. RMK0415)
	Standard	4.9-5000 pg/mL	Recombinant Human TNF-alpha Protein

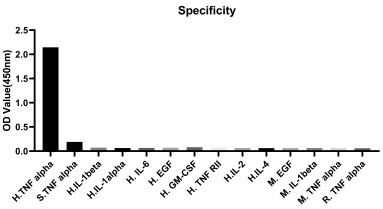
Validation Data



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



Placed at 37°C for 4 days, the stability of the standard curve all conform to CV <10%.



No significant cross-reactivity or interference was observed.