

Rabbit anti- Human TNF alpha mAb

Catalog No.: RMK0415

Basic Information

Catalog No.
RMK0415

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG


Purification
Affinity purification


Endotoxin Level

Storage
Store at -20°C. Avoid freeze / thaw cycles. Preservative 0.05%ProClin 300.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1%Braveds MB-1,PH 7.8.

Contact

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Background

Tumour Necrosis Factor alpha (TNF alpha) is a homotrimer protein consisting of 157 amino acids, is a potent pro-inflammatory cytokine. TNF alpha binds to its receptors, mainly TNFR1 and TNFR2, and then transmits molecular signals for biological functions such as inflammation and cell death. TNF alpha stimulates NF-κB pathway via TNFR2 promotes cancer growth, invasion, and metastasis. Anti-TNF-α MAb significantly suppresses the tumor development in colitis-associated cancer (CAC) mouse. TNF alpha as a proneurogenic factor activates the SAPK/JNK Pathway and can facilitate neuronal replacement and brain repair in response to brain injury. TNF alpha is involved in the regulation of immune cells, cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. TNF alpha causes cytolysis or cytostasis of certain transformed cells, being synergistic with interferon-gamma in its cytotoxicity. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer.

Immunogen Information

Immunogen
Recombinant Human TNF alpha

Cross-Reactivity

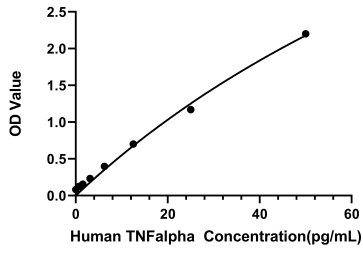
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Assay Applications

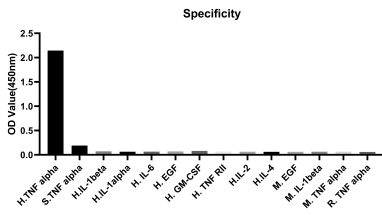
Human TNF alpha ELISA assay

		Recommended Concentration	Sample
ELISA assay	Capture	1-4ug/mL	Rabbit anti-Human TNF alpha mAb(Cat. No.RMK0415)
	Detection	0.125-0.5ug/mL	Rabbit anti-Human TNF alpha mAb(Cat. No. RMK0416)
	Standard	0.78-50pg/mL	RecombinantHuman TNF alpha Protein (Cat. No. RP00001)

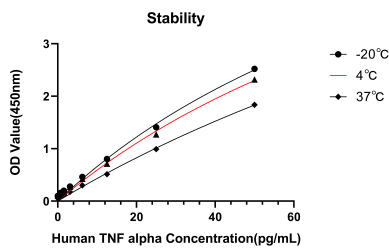
Validation Data



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.



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