

Rabbit anti-Mouse TNF- α mAb (CAP)

Catalog No.: RM17776

Basic Information

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RM17776

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 0.05% ProClin 300.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.05% ProClin 300, Ph7.4 containing Mouse TNF- α Antibody.

Contact

 | order@abclonal.com
 | support@abclonal.com
 | www.abclonal.com

Background

Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation (By similarity). Induces insulin resistance in adipocytes via inhibition of insulin-induced IRS1 tyrosine phosphorylation and insulin-induced glucose uptake. Induces GKAP42 protein degradation in adipocytes which is partially responsible for TNF-induced insulin resistance

Immunogen Information

Immunogen
Recombinant Mouse TNF- α Protein

Cross-Reactivity

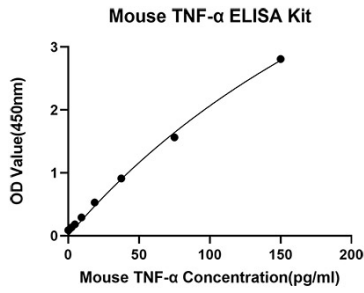
Has cross-reactivity in ELISA with Rat TNF- α
No cross-reactivity in ELISA assay with recombinant Mouse IL-1 α Mouse IL-1 β Mouse IL-2 Mouse IL-4 Mouse IL-5 Mouse IL-6 Mouse IL-10 Mouse IL-12/IL-23 p40 Mouse IFN- β Mouse IFN- γ Mouse EGF Human TNF- α

Assay Applications

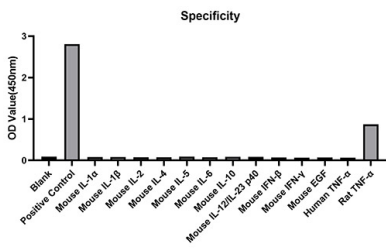
Mouse TNF- α Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Mouse TNF- α (CAP)(Cat. No.RM17776)
ELISA Detection	0.04-0.16ug/mL	Rabbit anti-Mouse TNF- α (DET)(Cat. No.RM17777)
Standard	2.3-150pg/mL	Recombinant Mouse TNF- α Protein(Cat. No.RP01071)

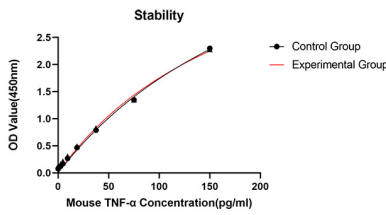
Validation Data



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



From the comparison of the standard curve, it is found that ABclonal has high sensitivity.



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