Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Sheep TNF-alpha mAb(CAP)

Catalog No.: RM18031

Basic Information

Catalog No.
RM18031

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

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 7.4.

Contact

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Background

Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. 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 (By similarity).Plays a role in angiogenesis by inducing VEGF production synergistically with IL1B and IL6 (By similarity).The TNF intracellular domain (ICD) form induces IL12 production in dendritic cells.

Immunogen Information

Immunogen
Recombinant Sheep TNF-alpha

Cross-Reactivity

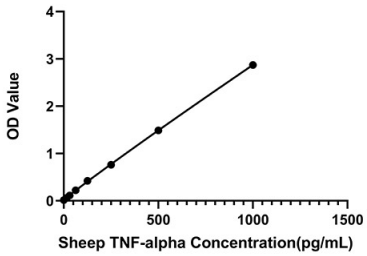
Sheep

Assay Applications

Sheep TNF-alpha Sandwich mmunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4 μg/mL	Rabbit anti-Sheep TNF-alpha mAb (Cat. No. RM18031)
ELISA Detection	0.02-0.08 μg/mL	Rabbit anti-Sheep TNF-alpha mAb (Cat. No. RM18032)
Standard	15.63-1000 pg/mL	Recombinant Sheep TNF-alpha Protein

Validation Data



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