

RM18032

Leader in Biomolecular Solutions for Life Science



Rabbit anti-Sheep TNF-alpha mAb(DET)

Catalog No.: RM18032

Basic Information

Catagory

Matched Antibody Pair

Applications

ELISA

Product Information

Ig Type

Rabbit IgG

Purification

Affinity purification

Endotoxin Level

Storage

Store unopened kit at 2-8 °C for 1 week. If more than one week, please keep the components of the kit according to the instructions. Do not use past kit expiration date.

Avoid repeated freeze-thaw cycles.

Formulation

Supplied as a 0.2umfiltered solution in PBS with 0.05%ProClin 300, Ph7.4 containing sheep TNF-alpha Antibody.

Contact



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 (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

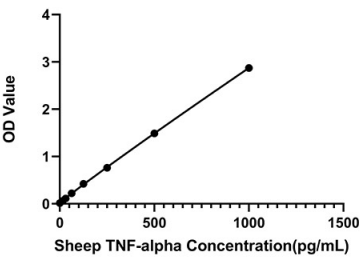
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Assay Applications

Sheep TNF-alpha Sandwich ELISA Immunoassay

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

Validation Data



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