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Mouse Anti-Human TNF- α Monoclonal Antibody Datasheet

Product Name: mAb anti-Human TNF- α

Clone No.: C5G7

Catalogue No.: MO-C40003G

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human Tumor Necrosis Factor alpha (TNF- α)

Purification: Protein G affinity purified

Product Type: Primary Antibody

Target Protein: Human TNF- α

Immunogen: Purified recombinant human TNF- α

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody recognizes recombinant human TNF- α . Reactivity with natural TNF- α has not been tested.

Species Reactivity: Human, other species not tested

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.0

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Cytokine, inflammation

Background: Tumor Necrosis Factor alpha (TNF- α) is a multifunctional pro-inflammatory cytokine, mainly secreted by activated macrophages. It is implicated with a variety of biological procedures including systemic inflammation, cell proliferation, apoptosis, lipid metabolism, and coagulation. The pleiotropic attribute of TNF- α regulation is associated with its ability to

trigger multiple signalling pathways through its receptors, TNFR1 (p55) and TNFR2 (p75).

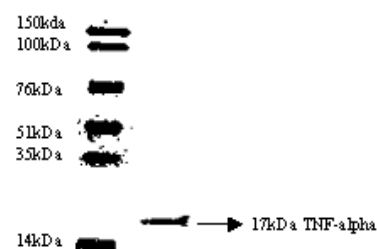
TNF- α not only contributes to the immune response to bacterial, fungal, viral and parasitic invasions, but also functions in tissue remodeling, autoimmune-diseases and the necrosis of specific tumors. TNF- α hyper-expression in response to the some bacterial components such as LPS can cause life threatening septic shock. Recombinant TNF- α , in combination with chemotherapy, has been applied for treatment of soft sarcomas, melanomas and other irresectable tumors. Anti-TNF- α therapy has been used for treatment of rheumatoid arthritis.

Applications

1. EIA: React with recombinant human TNF- α .

2. Western blot:

Figure: Western blot analysis of recombinant human TNF- α using anti-human TNF- α mAb C5G7.



References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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