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Recombinant IL-4 Monoclonal Antibody

catalog number: AN301842L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Mouse

Immunogen Recombinant human IL-4 fragment

Host Rabbit Isotype lgG, κ Clone A554

Purification Protein Apurified

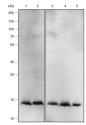
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

1:500-1:1000 WB

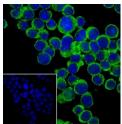
1:50 IF 1:50-1:100 **FCM**

Data

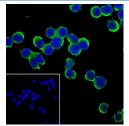


Western Blot with IL-4 Monoclonal Antibody at dilution of 1:1000. Lane 1: Ramos, Lane 2: Raji, Lane 3: Daudi, Lane 4: MOLT-4, Lane 5: EL4.IL-2

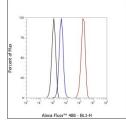
> Observed-MW:14 kDa Calculated-MW:17 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) dilution of 1:50.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed Ramos cells using anti-IL-4 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human IL-4 expression on fixed EL4.IL-2 cells using anti-IL-4 Monoclonal Antibody at Ramos cells. Cells were stained with purified anti-Human IL-4, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

For Research Use Only

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IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 also plays a pivotal role in antibody isotype switching and stimulates the production of IgE. This cytokine has been applied in the treatment of autoimmune disorder like multiple myeloma, cancer, psoriasis, and arthritis. IL4 has also been extensively applied to inhibit detrimental effect of Th1. It may promote the growth of epithelial tumors by mediating increased proliferation and survival.

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