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Mouse Anti-Human IL-16 Monoclonal Antibody Datasheet

Product Name: mAb anti-human IL-16

Clone No.: 59

Catalogue No.: MO-C40089G

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human interleukin-16 (IL-16)

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human IL-16

Immunogen: Purified recombinant human IL-16

Fusion Myeloma: Sp2/0-Ag14

Specificity: Reactive with natural and recombinant human IL-16

Species Reactivity: Human, others not tested

Cross-Reactivity: mAb 59 exhibits no detectable cross-reaction with human serum albumin, bovine serum albumin and other human cytokines or growth factors tested, such as IL-1 β , IL-8, IL-7 MCAF, TGF- β 1, EGF, bFGF, GM-CSF, M-CSF, TNF- α .

Host / Isotype: Mouse, IgG2b Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

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

Storage: Store at -20°C

Research Area: Cytokine

Background: Interleukin 16 (IL-16) is a pleiotropic cytokine, possessing immunomodulation function to allergic inflammatory diseases such as Crohn's disease and ulcerative colitis. IL-16 utilizes CD4 as its primary receptor. IL-16 is a chemo-attractant to CD4+ T helper 1 cells. To CD4+ T helper 2 cells, IL-16 has an inhibitory effect on the antigen-mediated CD3/T cell receptor activation.

IL16 has been shown to suppress HIV infection in lymphocytes and monocytes.

Applications: **Western Blot:** mAb 59, at a concentration of 2.5 μ g/mL will allow visualization of 0.1 μ g/lane of human IL-16.

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.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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