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Mouse Anti-Human IL-16 Monoclonal Antibody Datasheet

Product Name: mAb anti-human IL-16

Clone No.: 398

Catalogue No.: MO-C40089K

Quantity: 0.5 mg/vial

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

Purification: Protein G affinity purified

Product Type: Primary antibody, **Capture** antibody in matched Antibody Pair

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: This monoclonal antibody 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, IgG1 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 some 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.

IL-16 has been shown to suppress HIV infection in lymphocytes and monocytes.

Applications: **ELISA:** This antibody can be used as a capture antibody in sandwich ELISA applications for human IL-16 detection in combination with a monoclonal tracer/detection antibody (HRP-conjugated, Cat. No.: MO-C40089T). Suggested Capture Coating Dose: 0.3 μ g/well; Substrate: TMB.

If the above suggested conditions are followed, approximately 20pg/mL of IL-16 in serum/plasma or 15 pg/mL of IL-16 in cell medium/urine can be detected with an assay range of 0-1000 pg/mL.

Western Blot

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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