



ANOGEN - A Division of YES Biotech Laboratories Ltd.

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Mouse Anti-Human IL-10 Monoclonal Antibody Datasheet

Product Name: mAb anti-Human IL-10

Clone No.: 4H2

Catalogue No.: MO-C40092A

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human interleukin-10 (IL-10)

Purification: Protein G affinity purified

Target Protein: Human IL-10

Immunogen: Purified recombinant human IL-10 (Insight genomics)

Fusion F0

Myeloma:

Specificity: Reactive with human IL-10

Species Human, others not tested

Reactivity:

Host / Isotype: Mouse, IgG2b Kappa

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

Reconstitution: Double distilled water is recommended to reconstitute the antibody.

Storage: Store at -20°C

Research Area: Cytokine, growth factor, inflammatory and immune responses

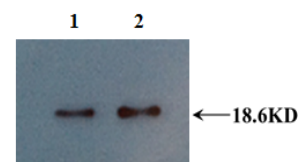
Background: IL-10 is expressed by a variety of cells and plays an important role in inflammatory and immune responses. The biological activities of IL-10 include both immunosuppressive and immunostimulatory effects. It suppresses the production of pro-inflammatory cytokines by monocytes and neutrophils,

and down-regulates the expression of activating and co-stimulatory molecules on monocytes and dendritic cells. It stimulates the growth of B cells and mast cells, and inhibits or enhances the activities of T cells depending on their activation conditions. Human IL-10 is a protein with 160 amino acids.

Applications: **Indirect ELISA:** The anti-human IL-10 antibody clone 4H2 reacts with recombinant human IL-10.

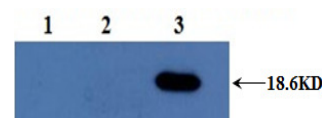
Western blot: The anti-human IL-10 antibody clone 4H2 reacts with recombinant human IL-10 antigen (Immunogen) (Figure 1) and with human IL-10 expressed in 293T cells (Figure 2).

Figure 1:



Lane 1&2: Recombinant human protein loaded at 10ng/well. Anti-human IL-10 clone 4H2 was used at 1:5,000 dilution for Western blot.

Figure 2:



Lane 1: Un-transfected 293T cells; lane

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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2: 239T cells transfected with human IL-6 gene; lane 3: 293T cells transfected with human IL-10 gene. Anti-human IL-10 antibody 4H2 was used at 1:2,000 dilution for 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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