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Antibody to Human Interleukin-8
MOUSE MONOCLONAL

Catalog Number: PRP-111ANT
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG1
Clone: NYR-HIL8
Immunogen: r.Human IL-8

Background:

Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. When first encountering an antigen, the primary cells to encounter it are the macrophages who phagocytose the particle. Upon processing, they release chemokines to signal other immune cells to come in to the site of inflammation. IL-8 is one such chemokine. It serves as a chemical signal that attracts neutrophils at the site of inflammation, and therefore is also known as neutrophil chemotactic Factor.

Specificity and Preparation:

Mouse anti-human interleukin-8 (IL-8) is purified over an ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution). This antibody was produced in BALB/c mice. No cross reactivity with murine IL-8 was detected.

Usage and Storage:

Reported to be effective for direct ELISA, western blot, immunoprecipitation, and immunohistochemistry. Titer: by direct ELISA, 1:20,000 dilution will yield >1.0 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories). Reconstitute with sterile H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Store lyophilized material at 4°C in dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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