



Biotin Conjugated Mouse Anti-Human IL-8 Monoclonal Antibody Datasheet

Product Name: Biotin conjugated mAb anti-Human IL-8

Clone No.: I8-60

Catalogue No.: MO-C40017TB

Quantity: 0.1 mL/vial

Description: Biotin conjugated mouse monoclonal antibody to human interleukin 8 (IL-8)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, biotin conjugated.

Target Protein: Human IL-8

Immunogen: Purified recombinant human IL-8

Fusion Myeloma: P3X63Ag8.653

Specificity: This antibody recognizes both recombinant and native human IL-8.

Species Reactivity: Human, others not tested

Cross-reactivity: This antibody does not cross react with human Monocyte Chemotactic Activating Factor (MCAF) or RANTES (Regulated on Activation, Normal T-cell Expressed, and Secreted).

Host / Isotype: Mouse, IgG1 Kappa

Storage Buffer Formulation: 0.01M PBS, pH 7.2 in 1% gelatin and 0.1% proclin-300

Storage: Store at -20°C. Avoid repeated freeze and thaw cycles.

Research Area: Cytokine, interleukin and chemotaxis

Background: Interleukin 8 (IL-8), like IL-6, is secreted by macrophages and a variety of cells that express Toll-like receptors in response to the stimulation of pathogens. IL-8's primary function is to recruit neutrophils and other target cells through chemotaxis to the infected site to eliminate pathogens. IL-8 causes increased intracellular Ca²⁺, release of reactive oxygen species, and other physiological changes required for migration and phagocytosis. IL-8 is also known to promote angiogenesis.

Applications **ELISA:** In combination with a monoclonal capture antibody (Cat No: MO-C40017A) and avidin-HRP conjugate, this biotin conjugated antibody can be used as a tracer antibody in sandwich ELISA applications for human IL-8 detection.

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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