



# Abazyme, LLC

## Mouse anti-Human IL-8 Monoclonal Antibody Datasheet [3C6]

**Catalogue No** MO-C400017B

**Product name** Mouse anti-human IL-8 monoclonal antibody [3C6]

**Clone No** 3C6

**Product type** Primary antibody

**Description** Mouse monoclonal antibody to human Interleukin-8 (IL-8), Protein G affinity purified

**Target protein** Human IL-8

**Immunogen** Purified recombinant human IL-8

**Specificity** This monoclonal antibody is reactive with natural and recombinant human interleukin-8. The affinity constant was measured by non-competitive enzyme immunoassay. (Beatty, J. D., et al.: J. Immunol. Methods, 100:173-179, 1987):  $> 1.2 \times 10^9$  (1/M)

**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).

**Clonality** Monoclonal

**Source** Mouse

**Myeloma** Sp2/0-Ag14

**Subclass** IgG2b

**Light Chain** Kappa

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

**Concentration** Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml

### Applications

**ELISA:** React with human IL-8. Matched pair antibodies are available

**Neutralizing:** This MAb recognized <sup>125</sup>I labeled rhIL-8 in radioimmunoassay with high titration tested in both supernatant or purified forms. Purified antibody was used in a neutrophil chemotaxis assay and it was shown that at a concentration ratio of 10:1 (Ab:Ag), the antibody inhibited 75% of the chemotactic effect of IL-8 on T cells. Moreover, the antibody had no inhibition effect to RANTES and MIP1B, indicating that the monoclonal antibody specifically neutralized the IL-8 activity. This monoclonal antibody has also shown its neutralizing activity on calcium ion changes in human granulocytes by FACS study

**Matched Pairs** 18-S2 and 18-60 (Catalog No: MO-C40017D) are matched pairs.

**Research** Cytokine, interleukin, and chemotaxis

**Storage** Store at -20° C

**This product is for LABORATORY RESEARCH USE and further manufacture only, and can not be administered to humans or animals. This is not for use in diagnostic and therapeutic procedures.**