

DATASHEET

Version: 2016-08-17

IL-8 Antibody, mAb, Mouse**Cat. No.:** A00044-500**Size:** 500 µg**Synonyms:** human IL-8; human Interleukin-8; Interleukin-8; Neutrophil activating protein-1**Description:**

IL-8, also known as neutrophil chemotactic factor, neutrophil activating protein, and monocyte-derived neutrophil chemotactic factor, is a member of the alpha (C-X-C) subfamily of chemokines called CXCL8. In response to proinflammatory stimuli, IL-8 is produced by monocytes, macrophages, T cells, neutrophils, and fibroblasts. IL-8 promotes neutrophil chemotaxis and degranulation. The 72-amino acid IL-8 is the predominant form secreted by monocytes and lymphocytes. Recombinant human IL-8 is an 8,400 Da protein containing 72 amino acids. This antibody reacts with human Interleukin-8 (IL-8) protein. The immunogen used to produce the antibody is recombinant human IL-8 produced in *E. coli* containing 72 amino acids and having a molecular mass of 8,452 Da.

Immunogen: Purified recombinant human IL-8**Host:** Mouse**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Fusion Partner:**

Spleen cells are fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

1. 100 µg, 1 mg/ml in PBS, pH 7.4 with 0.02% sodium azide.
2. 500 µg, 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Clone: 3B1C10**Ig Subclass:** Mouse IgG1**Specificity:** Human, Reactivity to other species is not tested yet.**Purification:** Protein G affinity column**Applications:**

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature, and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.1-1 µg/ml**Western blot:** 1 µg/ml**Storage:**

The antibody is stable for 2-3 weeks if stored at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.