

**PE/Cy7 anti-human IL-8**

**Catalog # / Size:** 3157080 / 100 tests  
3157075 / 25 tests

**Clone:** E8N1

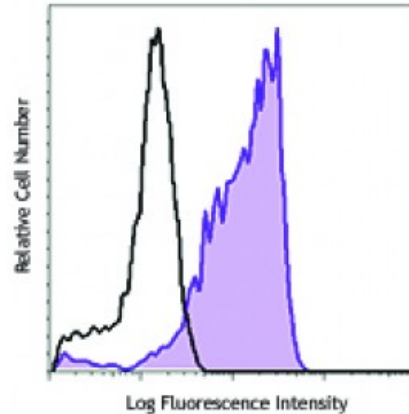
**Isotype:** Mouse IgG1, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific



LPS-stimulated (6 hours, in the presence of monesin) human peripheral blood monocytes were stained intracellularly with IL-8 (clone E8N1) PE/Cy7 (filled histogram) or mouse IgG1, κ PE/Cy7 isotype control (open histogram).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:**

**ELISA Detection:** The biotinylated E8N1 antibody is useful as the detection antibody in a sandwich ELISA assay, when used in conjunction with the purified H8A5 (Cat. No. 511502) antibody as the capture antibody.

**Flow Cytometry:** The fluorochrome-labeled E8N1 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis to identify IL-8-producing cells within mixed cell populations. For intracellular cytokine staining protocol, please visit [www.biolegend.com](http://www.biolegend.com) and click on the support section.

**Note:** For testing human IL-8 in serum or plasma, BioLegend's ELISA Max™ Sets are specially developed and recommended.

**Description:** IL-8, also known as neutrophil chemotactic factor, neutrophil activating protein, and monocyte-derived neutrophil chemotactic factor, is a member of the α (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. The E8N1 antibody recognizes the human IL-8 protein and has been shown to be useful for intracellular immunofluorescence flow cytometric analysis and as ELISA detection antibody.

**Antigen References:** 1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.

2. Baggiolini M, *et al.* 1994. *Adv. Immunol.* 55:97.
3. Schröder J, *et al.* 1992. *Immunology Ser.* 57:387.