

Biotin anti-human IL-8

Catalog # / Size: 3157015 / 50 µg
3157020 / 500 µg

Clone: E8N1

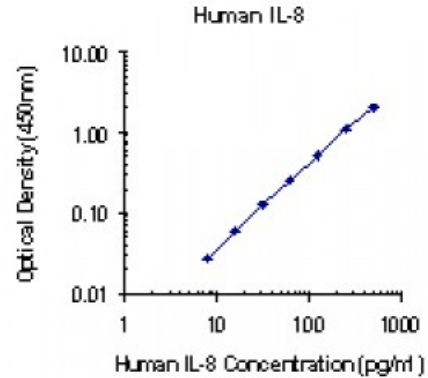
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



Applications:

Applications: Other

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection applications, a concentration range of 0.25-1.0 microg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-8 recombinant protein ranging from 2000 to 15 pg/ml are recommended for each ELISA plate. 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 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.

Application References: 1. Domnanich P, *et al.* 2011. *Biosens Bioelectron.* 26:2559. [PubMed](#)

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.