

Product Data Sheet

Purified anti-human IL-8

Catalog # / Size: 511501 / 50 µg
511502 / 500 µg

Clone: H8A5

Isotype: Mouse IgG1, κ

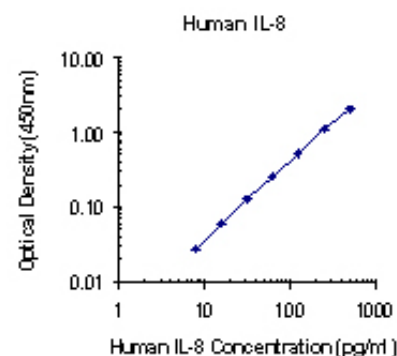
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Applications:

Applications: ELISA Capture - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 2-6 µg/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 purified H8A5 antibody is useful as the capture antibody in a sandwich ELISA assay, when used in conjunction with the biotinylated E8N1 (Cat. No. 511404) antibody as the detection antibody.

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

Application References: 1. Sauer U, *et al.* 2012. *J Immunol Methods.* 378:44. PubMed.

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. The H8A5 antibody recognizes the human IL-8 protein and has been shown to be useful for intracellular immunofluorescence flow cytometric analysis and as ELISA capture 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.
4. Zwahlen R, *et al.* 1993. *Intl. Rev. Expt. Pathol.* 34:27.

Related Products:

Product
Purified Mouse IgG1, κ Isotype Ctrl
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)
TMB High Sensitivity Substrate Solution
ELISA Wash Buffer (20X)
ELISA Coating Buffer (5X)

Clone
MOPC-21

Application

FC, ICFC, ICC, IF, IHC, IP, WB
ELISA
ELISA
ELISA
ELISA
ELISA



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