

FITC anti-human IL-8 Antibody

Catalog# / Size	514604 / 100 tests
Clone	BH0814
Regulatory Status	RUO
Other Names	Interleukin-8, Neutrophil activating protein-1, Monocyte-derived neutrophil chemotactic factor (MDNCF), Neutrophil activating factor (NAF), Leukocyte adhesion inhibitor (LAI), Granulocyte chemotactic protein (GCP), CXCL8
Isotype	Mouse IgG2b, κ
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.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant human IL-8, amino acids Ser28-Ser99 (Accession # NM_000584)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
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 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.
Excitation Laser	Blue Laser (488 nm)
Application Notes	ELISA Capture: The purified BH0814 antibody is useful as the capture antibody in a sandwich ELISA assay, when used in conjunction with the biotinylated BH0840 (Cat. No. 514703/ 514704) antibody as the detecting antibody and recombinant human IL-8 (Cat. # 570909) as the standard.
Product Citations	1. Zang Y, <i>et al.</i> 2012. Clin Cancer Res. 18:5639. PubMed
RRID	AB_2126227 (BioLegend Cat. No. 514604)

Antigen Details

Structure	CXC chemokine; 8.4 kD (Mammalian)
Ligand/Receptor	CXCR1 (CDw128); CXCR2

Bioactivity	Neutrophil/basophil chemoattractant; activates neutrophils, angiogenic factor
Cell Sources	Monocytes, lymphocytes, granulocytes, fibroblasts, endothelial cells, bronchial epithelial cells, keratinocytes, melanocytes, hepatocytes, mesangial cells, chondrocytes
Cell Targets	Neutrophils, basophils, lymphocytes
Receptors	CXCR1 (CDw128); CXCR2
Cell Type	Neutrophils
Biology Area	Cell Biology, Immunology, Neuroinflammation, Neuroscience
Molecular Family	Cytokines/Chemokines
Antigen References	<ol style="list-style-type: none"> 1. Fitzgerald K, <i>et al.</i> Eds. 2001. The Cytokine FactsBook. Academic Press San Diego. 2. Baggiolini M, <i>et al.</i> 1994. <i>Adv. Immunol.</i> 55:97. 3. Schröder J, <i>et al.</i> 1992. <i>Immunology Ser.</i> 57:387. 4. Zwahlen R, <i>et al.</i> 1993. <i>Intl. Rev. Expt. Pathol.</i> 34:27.
Regulation	Upregulated by IL-1, IL-7, IL-17, IFN- γ , TNF- α , leukoregulin; downregulated by IL-4, TGF- β , glucocorticoids, vitamin D3
Gene ID	3576

Related Protocols

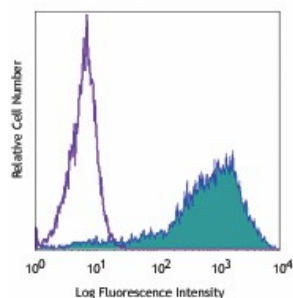
[Surface and Intracellular Cytokine Staining for Flow Cytometry - Video](#)

[Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human IL-8, FITC anti-human IL-8, PerCP anti-human IL-8

Product Data



LPS-stimulated (6 hours, in the presence of monensin) human peripheral blood monocytes intracellularly stained with BH0814 FITC

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