

IL-8 (1-77) (CXCL8) Monoclonal Antibody (8CH), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	8CH
Conjugate	PE
Excitation/Emission Max	565/576 nm
Immunogen	Human IL-8 recombinant protein
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2784632

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	-

Product Specific Information

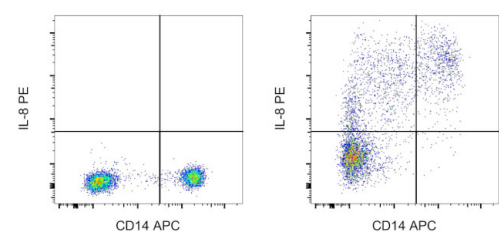
Description: This 8CH monoclonal antibody reacts with human IL-8 (CXCL8), a pro-inflammatory CXC chemokine. It is synthesized as a 99 amino acid precursor protein that is further processed into one of four isoforms, with the most common being 72 or 77 amino acids in length. IL-8(77) is secreted primarily by endothelial cells and is thought to be a less potent neutrophil activator than the other forms. It is present at high levels during fetal development, where it mediates angiogenesis rather than inflammation. The predominant form present in adults is IL-8(72), which is expressed by monocytes, macrophages, epithelial cells, and fibroblasts in response to inflammatory stimuli, environmental stress, and steroid hormones. IL-8(72) is essential for the activation and recruitment of neutrophils to sites of inflammation, and has also been found to influence T cell migration. Signaling occurs through the G-protein coupled receptors CXCR1 or CXCR2. IL-8 transcripts are often upregulated in tumors, and it is associated with tumor angiogenesis and metastasis.

Applications Reported: This 8CH antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 8CH antibody has been pre-diluted and tested by flow cytometric analysis of stimulated normal human peripheral blood cells using Protocol A: Two-step protocol for intracellular (cytoplasmic) proteins. This allows for the greatest flexibility for detection of surface and intracellular (cytoplasmic) proteins. This may be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser

Product Images For IL-8 (1-77) (CXCL8) Monoclonal Antibody (8CH), PE, eBioscience™



IL-8 (1-77) (CXCL8) Antibody (12-8088-42) in Flow
Normal human peripheral blood cells were freshly isolated (left) or stimulated overnight with LPS (Product # 00-4976-03) in the presence of Monensin (Product # 00-4505-51) (right). Cells were then surface-stained with CD14 Monoclonal Antibody, APC (Product # 17-0149-42), followed by intracellular staining using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol with IL-8 Monoclonal Antibody, PE. Cells in the lymphocyte and monocyte gates were used for analysis.

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