

**AM00964AF-N****Monoclonal Antibody to Interleukin-8 / IL8 - Azide Free****Alternate names:**

CXCL8, Emotakin, GCP1, Granulocyte chemotactic protein 1, MDNCF, MONAP, Monocyte-derived neutrophil chemotactic factor, Monocyte-derived neutrophil-activating peptide, NAP1, Neutrophil-activating protein 1, Protein 3-10C, T-cell chemotactic factor

**Quantity:**

0.5 mg

**Concentration:**

1.0 mg/ml (prior to lyophilization)

**Background:**

Interleukin 8, IL8 is a member of the CXC chemokine family. This family of small basic heparan-binding proteins are proinflammatory and primarily mediate the activation and migration of neutrophils into tissue from peripheral blood.

This chemokine is one of the major mediators of the inflammatory response and is secreted by several cell types in response to an inflammatory stimulus. It functions as a chemoattractant, and is also a potent angiogenic factor. IL8 attracts neutrophils, basophils, and T-cells, but not monocytes.

Cystic fibrosis (CF) is characterized by severe lung inflammation. The inflammatory process is believed to be caused by massive overproduction of the proinflammatory protein IL8, and the high levels of IL8 in the CF lung are therefore believed to be the central mechanism behind CF lung pathophysiology.

**Uniprot ID:**

[P10145](#)

**NCBI:**

[9606](#)

**GeneID:**

[3576](#)

**Host / Isotype:**

Mouse / IgG1

**Clone:**

BDI670

**Immunogen:**

Purified recombinant human IL-8

**Format:**

**State:** Lyophilized purified IgG fraction.

**Purification:** Protein G Chromatography.

**Buffer System:** 0.01M PBS, pH 7.0 without preservatives.

**Reconstitution:** Restore with 0.5 ml double distilled water.

**Applications:**

ELISA.

Neutralizing: The antibody inhibited 98.4% of the chemotactic activity of IL-8 on RB/293 cell using 5µg/ml of this antibody and 10ng/ml of human IL-8. This antibody had no inhibitory effect on MIP 1-beta and RANTES in neutrophil chemotaxis assay. Western blot: Concentration of 0.02-0.1µg/ml will allow visualization of 100ng/lane of human IL-8.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody recognizes both recombinant and native Interleukin 8/L-8.  
Does not cross react with Monocyte Chemotactic Activating Factor (MCAF) or RANTES (Regulated on Activation, Normal T-cell Expressed, and Secreted).

**Species:** Human.

Other species not tested.

**Storage:**

Store the antibody at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.