

## Mouse Anti-IL8 Monoclonal Antibody

**Cat. No.** DMABT-H19207    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Mouse Anti-IL8 Monoclonal Antibody
<b>Species</b>	Human
<b>Source</b>	Mouse
<b>Antigen Description</b>	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.
<b>Target</b>	IL8
<b>Immunogen</b>	Recombinant human IL-8, amino acids Ser28-Ser99 (Accession # NM_000584)
<b>Isotype</b>	IgG2b,Lambda
<b>species</b>	Human
<b>Clone</b>	F9O2
<b>Conjugation</b>	FITC

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<b>Applications</b>	N/A
<b>Preparation</b>	The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.
<b>Usage recommendation</b>	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. Test size products are transitioning from 20 µl to 5 µl per test. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at <a href="http://www.biolegend.com/testsize">www.biolegend.com/testsize</a> regarding the test size change.
<b>Storage</b>	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light. Do not freeze.
<b>Size</b>	25 tests; 100 tests

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL8 interleukin 8 [ Homo sapiens ]</a>
<b>Official Symbol</b>	IL8
<b>Synonyms</b>	IL8; interleukin 8; interleukin-8; 410C; alveolar macrophage chemotactic factor I; AMCF I; b ENAP; beta endothelial cell derived neutrophil activating peptide; chemokine (C X C motif) ligand 8; CXCL8; GCP 1; GCP1; granulocyte chemotactic protein 1; IL 8; K60; LECT; LUCT; lung giant cell carcinoma derived chemotactic protein; lymphocyte derived neutrophil activating peptide; LYNAP; MDNCF; MONAP;

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monocyte derived neutrophil chemotactic factor; monocyte derived neutrophil activating peptide; NAF; NAP 1; NAP1; neutrophil activating peptide 1; SCYB8; TSG 1; tumor necrosis factor induced gene 1; emoctakin; T-cell chemotactic factor; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; tumor necrosis factor-induced gene 1; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; small inducible cytokine subfamily B, member 8; lung giant cell carcinoma-derived chemotactic protein; beta endothelial cell-derived neutrophil activating peptide; GCP-1; NAP-1;

**Gene ID** [3576](#)

**mRNA Refseq** [NM\\_000584](#)

**Protein Refseq** [NP\\_000575](#)

**MIM** [146930](#)

**UniProt ID** [P10145](#)

**Chromosome Location** 4q13-q21

**Pathway** ATF-2 transcription factor network, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem;

**Function** chemokine activity; interleukin-8 receptor binding; protein binding;

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