

## Mouse Anti-IL8 Monoclonal Antibody

Cat. No. DMABT-H19230 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>Isotype</b>	IgG1, kappa
<b>species</b>	Human
<b>Clone</b>	I9B6
<b>Conjugation</b>	N/A
<b>Applications</b>	ELISA

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<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Usage recommendation</b>	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 26pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	The antibody solution should be stored undiluted at 4 °C.
<b>Size</b>	50 µg;500 µg

## GENE INFORMATION

<b>Gene Name</b>	IL8 interleukin 8 [ Homo sapiens ]
<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; 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

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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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