

Product datasheet for **DM1023**

IL8 (CXCL8) Mouse Monoclonal Antibody [Clone ID: I8-60]

Product data:

| | |
|------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | I8-60 |
| Applications: | ELISA, Neutralize, WB |
| Recommended Dilution: | <p>ELISA: Can be used as a Tracer antibody in Sandwich ELISA for Detection of Human IL-8 (matched pair with clone I8-S2, <i>Cat.-No</i> DM1022 as Capture antibody) <i>Suggested Capture Coating Dose:</i> 0.3 µg/well, substrate TMB.</p> <p>Neutralizing: In chemotaxis assay, the antibody inhibited 98.4% of the chemotactic activity of IL-8 on RB/293 cell using 5 µg/ml of MAb and 10 ng/ml of Human IL-8 in assay. This MAb inhibited the chemotactic effect of Human IL-8, had no inhibitory effect to MIP 1-beta and RANTES in neutrophil chemotaxis assay. It indicates the MAb is special neutralizing the IL-8 activity. The MAb has been shown the neutralizing activity on calcium ion changes in human granulocytes using FACS.</p> <p>Western Blot: Concentration of 0.02-0.1 µg/ml MAb will allow visualization of 100 ng/lane of Human IL-8.</p> |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Purified recombinant human IL-8. |
| Specificity: | This monoclonal antibody recognizes both recombinant and native Human Interleukin-8. This antibody does not cross react with human Monocyte Chemotactic Activating Factor (MCAF) or RANTES (Regulated on Activation, Normal T-cell Expressed, and Secreted). |
| Formulation: | 0.01M PBS, pH 7.0 State: Azide Free State: Lyophilized purified Ig fraction |
| Reconstitution Method: | Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml. |
| Concentration: | 1.0 mg/ml (after reconstitution) |
| Purification: | Affinity Chromatography on Protein G |
| Conjugation: | Unconjugated |



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Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

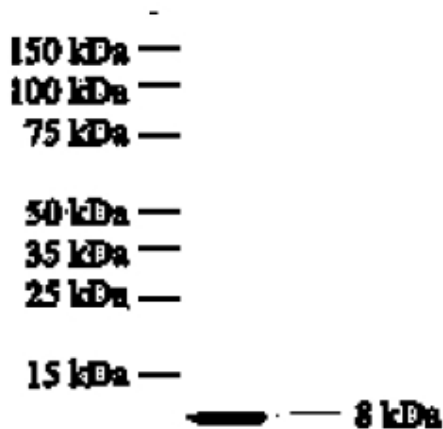
Gene Name: C-X-C motif chemokine ligand 8

Database Link: [Entrez Gene 3576 Human P10145](#)

Background: Interleukin 8 (IL-8), formerly called monocyte-derived neutrophil chemotactic factor, belongs to the C-X-C chemokine family. IL-8 has 4 cysteine residues, as do other members of the chemokine family, and the first two cysteine residues are separated by glutamine. IL-8 consists of 72 amino acids with a molecular weight of 8,000 daltons. IL-8 exhibits chemotactic activity in vitro for T cells, basophils and neutrophils. IL-8 activates neutrophils to release lysosomal enzymes including myeloperoxidase, -mannosidase and -glucuronidase. IL-1 induces the production of IL-8 from fibroblasts, keratinocytes, endothelial cells, hepatoma cells, astrocytoma cells, glioblastoma cells, lung epithelial cells, synovial membrane cells, melanocytes, melanoma cells and gastric cancer cells. Lipopolysaccharides will stimulate IL-8 production in monocytes/macrophages, and expressed on endothelial cells in response to inflammation.

Synonyms: CXCL8, Protein 3-10C, Emoctakin, GCP1, MDNCF, MONAP, NAP1

Product images:



Western blot analysis of Human IL-8 using anti-human IL8 Antibody