

Product datasheet for **AM09178AF-N**

IL8 (CXCL8) Mouse Monoclonal Antibody [Clone ID: 257]

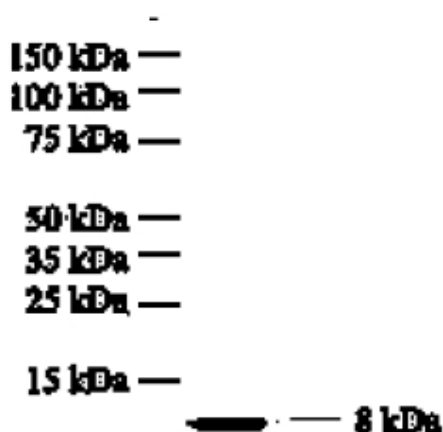
Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 257 |
| Applications: | ELISA, FN, WB |
| Recommended Dilution: | ELISA: React with Human IL-8. Neutralizing: In chemotaxis assay, the antibody inhibited 95.1% of the chemotactic activity of IL-8 on RB/293 cell using 50 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. Western Blot: Concentration of 0.02-0.1 µg/ml of MAb will allow visualization of 100 ng/lane of human IL-8. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Purified recombinant human IL-8. |
| Specificity: | This monoclonal IL8 antibody recognizes both recombinant and native Human Interleukin-8. It 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 without preservatives. State: Azide Free State: Lyophilized purified Ig fraction. |
| Reconstitution Method: | Restore with Double distilled water to adjust the final concentration to 1.00 mg/ml. |
| 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 |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| Protein Pathways: | Bladder cancer, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Epithelial cell signaling in Helicobacter pylori infection, NOD-like receptor signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway |

Product images:


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