

## Product datasheet for **AM09177AF-N**

### IL8 (CXCL8) Mouse Monoclonal Antibody [Clone ID: I8-61]

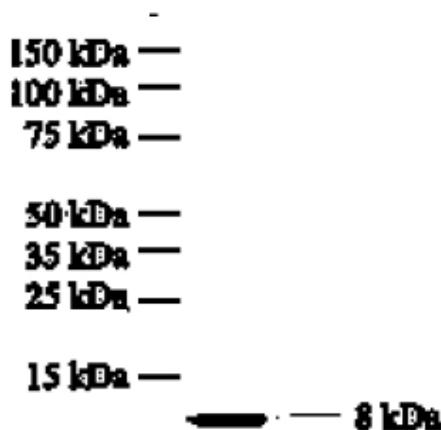
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	I8-61
Applications:	ELISA, FN, WB
Recommended Dilution:	<b>ELISA:</b> React with Human IL-8. <b>Neutralizing:</b> In chemotaxis assay, the antibody inhibited 97% of the chemotactic activity of IL-8 on RB/293 cell using 5 Ug/ml of MAb and 10ng/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. <b>Western Blot:</b> Concentration of 0.02-0.1 µg/ml of this antibody 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 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	C-X-C motif chemokine ligand 8
<b>Database Link:</b>	<a href="#">Entrez Gene 3576 Human P10145</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	CXCL8, Protein 3-10C, Emoctakin, GCP1, MDNCF, MONAP, NAP1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	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