

Product datasheet for **AP26383PU-N**

IL8 (CXCL8) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IP, WB
Recommended Dilution:	Immunoassays. Immunoprecipitation. Western blot: The typical starting working dilution is 1:10. Functional assays. Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added.
Reactivity:	Human, Monkey
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	The antibody reacts with human natural and recombinant Interleukin-8 (IL-8) as assessed by ELISA. The antibody inhibits the biological activity of human native and recombinant IL-8. The antibody cross reacts with rhesus and cynomolgus natural IL-8.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-X-C motif chemokine ligand 8
Database Link:	Entrez Gene 3576 Human P10145



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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