

## Product datasheet for **AP09432SU-N**

### IL8 (CXCL8) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 1/1,000 to 1/2,000.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant human IL-8 produced in E.coli
Specificity:	This antibody detects recombinant and native Interleukin 8/IL-8.
Formulation:	State: Serum State: Liquid purified Ig containing 0.01% (w/v) Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-X-C motif chemokine ligand 8
Database Link:	<a href="#">Entrez Gene 3576 Human P10145</a>



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**Background:**

Interleukin 8, IL8 is a member of the CXC chemokine family. This family of small basic heparan-binding proteins are proinflammatory and primarily mediate the activation and migration of neutrophils into tissue from peripheral blood.

This chemokine is one of the major mediators of the inflammatory response and is secreted by several cell types in response to an inflammatory stimulus. It functions as a chemoattractant, and is also a potent angiogenic factor. IL8 attracts neutrophils, basophils, and T-cells, but not monocytes.

Cystic fibrosis (CF) is characterized by severe lung inflammation. The inflammatory process is believed to be caused by massive overproduction of the proinflammatory protein IL8, and the high levels of IL8 in the CF lung are therefore believed to be the central mechanism behind CF lung pathophysiology.

**Synonyms:**

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

**Note:**

This antiserum has been heated to 56°C for 30 minutes.