

IL-8 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10855**Specification**

IL-8 Antibody - Product Information

Application	WB, E
Primary Accession	P10145
Other Accession	NP_000575
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	11098

IL-8 Antibody - Additional Information**Gene ID** 3576

Application & Usage	Western blot analysis (0.5-1 µg/ml). However, the optimal conditions should be determined individually.
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Other Names

IL-8, IL8, IL 8, Interleukin-8, Interleukin 8, interleukin

Target/Specificity

IL-8

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-human IL-8 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

IL-8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL-8 Antibody - Protein Information

Name CXCL8

Synonyms IL8

Function

Chemotactic factor that mediates inflammatory response by attracting neutrophils, basophils, and T-cells to clear pathogens and protect the host from infection (PubMed:7636208, PubMed:18692776). Also plays an important role in neutrophil activation (PubMed:9623510, PubMed:2145175). Released in response to an inflammatory stimulus, exerts its effect by binding to the G-protein-coupled receptors CXCR1 and CXCR2, primarily found in neutrophils, monocytes and endothelial cells (PubMed:1840701, PubMed:1891716). G-protein heterotrimer (alpha, beta, gamma subunits) constitutively binds to CXCR1/CXCR2 receptor and activation by IL8 leads to beta and gamma subunits release from Galpha (GNAI2 in neutrophils) and activation of several downstream signaling pathways including PI3K and MAPK pathways (PubMed:8662698, PubMed:11971003).

Cellular Location

Secreted.

IL-8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-8 Antibody - Images

IL-8 Antibody - Background

IL-8 is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. It is secreted by monocytes and endothelial cells. IL-8 chemoattracts and activates neutrophils.