

**IL8 Antibody**  
Rabbit mAb  
Catalog # AP92683

## Specification

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### IL8 Antibody - Product Information

Application	<b>WB</b>
Primary Accession	<a href="#">P10145</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
CXCL8; GCP1; Granulocyte chemotactic protein 1; IL8; Inteleukin 8; LECT; LUCT; LYNAP; MDNCF; MONAP; NAF; NAP1; Neutrophil activating protein 1; SCYB8; TSG1;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>11098 Da</b>

### IL8 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human IL8</b>
Description	<b>IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### IL8 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: [18692776](http://www.uniprot.org/citations/18692776)), PubMed: [7636208](http://www.uniprot.org/citations/7636208)). Also plays an important role in neutrophil activation (PubMed: [2145175](http://www.uniprot.org/citations/2145175)), PubMed: [9623510](http://www.uniprot.org/citations/9623510)). 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](http://www.uniprot.org/citations/1840701)),

PubMed: <a href="http://www.uniprot.org/citations/1891716" target="\_blank">1891716</a>). 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: <a href="http://www.uniprot.org/citations/11971003" target="\_blank">11971003</a>, PubMed: <a href="http://www.uniprot.org/citations/8662698" target="\_blank">8662698</a>).

#### Cellular Location

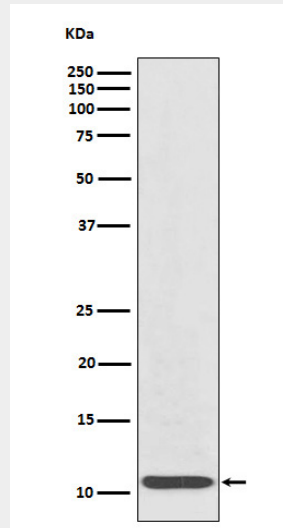
Secreted.

#### IL8 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](#)

#### IL8 Antibody - Images



Western blot analysis of IL8 expression in IL8 recombinant protein cell lysate.