

**IL8 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52661**

**Specification**

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**IL8 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P10145</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2b</b>
Calculated MW	<b>20 KDa</b>

**IL8 Antibody - Additional Information**

**Gene ID** 3576

**Other Names**

(Ala-IL-8)77;(Ser-IL-8)72;3 10C;310C;AMCF 1;AMCF1;b ENAP;Bbeta thromboglobulin like protein;Beta thromboglobulin like protein;C-X-C motif chemokine 8;CXC chemokine ligand 8;CXCL 8;CXCL8;Emoctakin;GCP 1;GCP-1;GCP/IL-8 protein I;GCP/IL-8 protein II;GCP/IL-8 protein III;GCP/IL-8 protein IV;GCP/IL-8 protein V;GCP/IL-8 protein VI;GCP1; Granulocyte chemotactic protein 1;IL 8;IL-8;IL-8(1-77);IL-8(9-77);IL8;IL8/NAP1 form I;IL8/NAP1 form II;IL8/NAP1 form III;IL8/NAP1 form IV;IL8/NAP1 form V;IL8/NAP1 form VI;IL8\_HUMAN; Inteleukin 8;Interleukin8;K 60;K60;LECT;LUCT; Lymphocyte derived neutrophil activating factor;Lymphocyte-derived neutrophil-activating factor;LYNAP;MDNCF;MDNCF-b;MDNCF-c; MONAP;Monocyte derived neutrophil activating peptide;Monocyte derived neutrophil activating protein; Monocyte derived neutrophil chemotactic factor;Monocyte-derived neutrophil chemotactic factor;Monocyte-derived neutrophil-activating peptide;NAF;NAP 1; NAP-1;NAP1;Neutrophil activating factor;Neutrophil activating peptide 1;Neutrophil activating protein 1;Neutrophil-activating factor;Neutrophil-activating protein 1; Protein 3 10C; Protein 3-10C;SCYB 8;SCYB8;Small inducible cytokine subfamily B member 8; T cell chemotactic factor;T-cell chemotactic factor;TSG 1;TSG1;

**Dilution**

WB~~1:500

**Format**

Purified mouse monoclonal in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**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:<a href="http://www.uniprot.org/citations/18692776" target="\_blank">18692776</a>, PubMed:<a href="http://www.uniprot.org/citations/7636208" target="\_blank">7636208</a>). Also plays an important role in neutrophil activation (PubMed:<a href="http://www.uniprot.org/citations/2145175" target="\_blank">2145175</a>, PubMed:<a href="http://www.uniprot.org/citations/9623510" target="\_blank">9623510</a>). 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:<a href="http://www.uniprot.org/citations/1840701" target="\_blank">1840701</a>, 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.

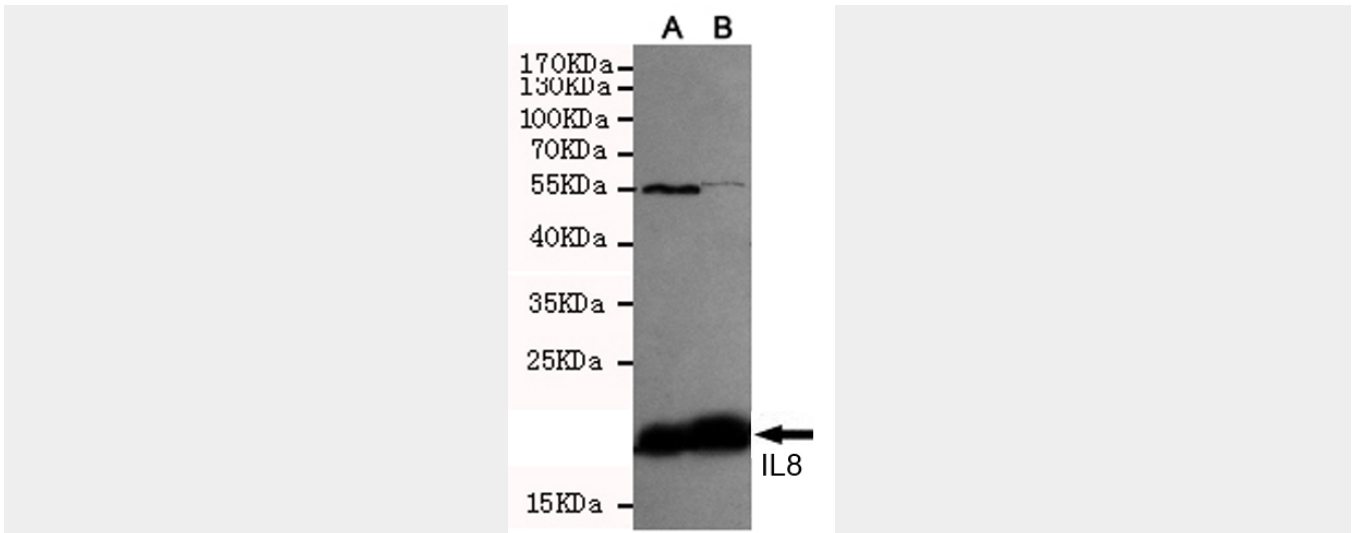
## IL8 Antibody - Protocols

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 detection of IL8 in CHO-K1 transfected by IL8-PDGFR fusion protein cell lysate using IL8 mouse mAb (1:500(A)-1:1000(B) diluted).

### IL8 Antibody - Background

IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

### IL8 Antibody - References

- Schmid J., et al. J. Immunol. 139:250-256(1987).
- Matsushima K., et al. J. Exp. Med. 167:1883-1893(1988).
- Mukaida N., et al. J. Immunol. 143:1366-1371(1989).
- Kowalski J., et al. Mol. Cell. Biol. 9:1946-1957(1989).
- Hotta K., et al. Immunol. Lett. 24:165-169(1990).