

**CXCL8 Antibody (clone 5D8)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14545****Specification**

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**CXCL8 Antibody (clone 5D8) - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P10145</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Calculated MW	<b>11kDa KDa</b>

**CXCL8 Antibody (clone 5D8) - Additional Information****Gene ID** 3576**Other Names**

Interleukin-8, IL-8, C-X-C motif chemokine 8, Chemokine (C-X-C motif) ligand 8, Emoctakin, Granulocyte chemotactic protein 1, GCP-1, Monocyte-derived neutrophil chemotactic factor, MDNCF, Monocyte-derived neutrophil-activating peptide, MONAP, Neutrophil-activating protein 1, NAP-1, Protein 3-10C, T-cell chemotactic factor, MDNCF-a, GCP/IL-8 protein IV, IL8/NAP1 form I, Interleukin-8, (Ala-IL-8)77, GCP/IL-8 protein II, IL-8(1-77), IL8/NAP1 form II, MDNCF-b, IL-8(5-77), IL-8(6-77), (Ser-IL-8)72, GCP/IL-8 protein I, IL8/NAP1 form III, Lymphocyte-derived neutrophil-activating factor, LYNAP, MDNCF-c, Neutrophil-activating factor, NAF, IL-8(7-77), GCP/IL-8 protein V, IL8/NAP1 form IV, IL-8(8-77), GCP/IL-8 protein VI, IL8/NAP1 form V, IL-8(9-77), GCP/IL-8 protein III, IL8/NAP1 form VI, CXCL8, IL8

**Target/Specificity**

Anti-IL8 recognizes recombinant protein IL8.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

CXCL8 Antibody (clone 5D8) is for research use only and not for use in diagnostic or therapeutic procedures.

**CXCL8 Antibody (clone 5D8) - 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

[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: [1891716](http://www.uniprot.org/citations/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: [11971003](http://www.uniprot.org/citations/11971003), PubMed: [8662698](http://www.uniprot.org/citations/8662698)).

### Cellular Location

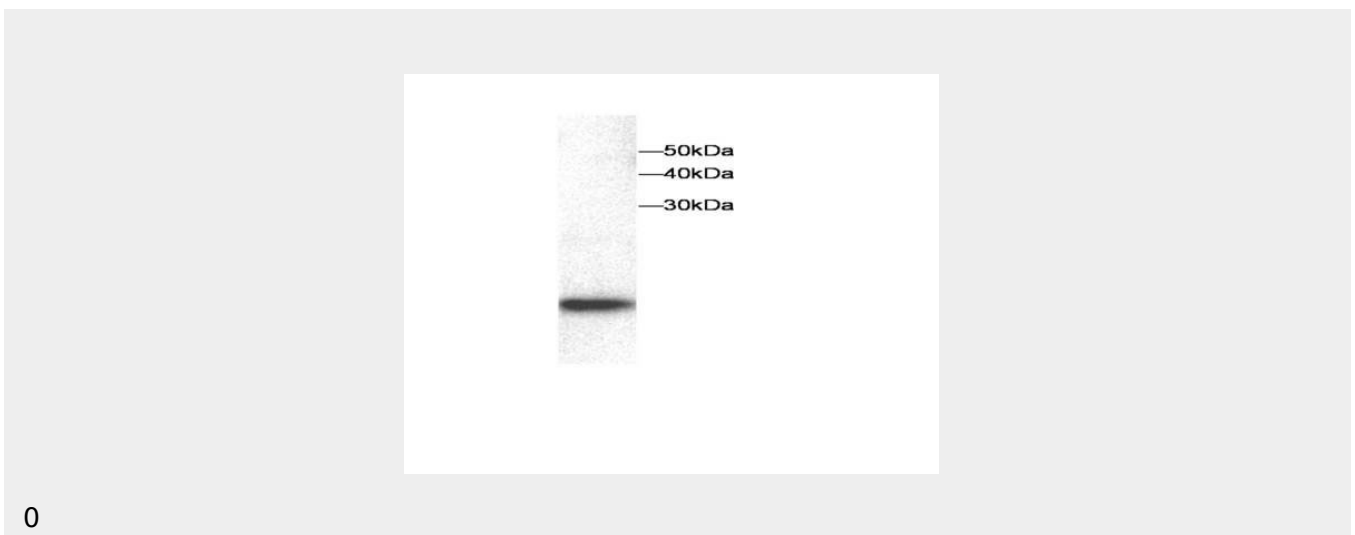
Secreted.

### CXCL8 Antibody (clone 5D8) - 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](#)

### CXCL8 Antibody (clone 5D8) - Images



### CXCL8 Antibody (clone 5D8) - 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.

**CXCL8 Antibody (clone 5D8) - 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).