

**IL-8 mouse Monoclonal Antibody(8B1)**  
Catalog # AP63734**Specification****IL-8 mouse Monoclonal Antibody(8B1) - Product Information**

Application	IHC
Primary Accession	<a href="#">P10145</a>
Reactivity	Human, Rat, Mouse
Host	Mouse
Clonality	Monoclonal

**IL-8 mouse Monoclonal Antibody(8B1) - Additional Information**

Gene ID 3576

**Other Names**  
IL8**Dilution**  
IHC~~IHC 1:100-200**Format**  
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.**Storage Conditions**  
-20°C**IL-8 mouse Monoclonal Antibody(8B1) - 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: [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 G $\alpha$  (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>).

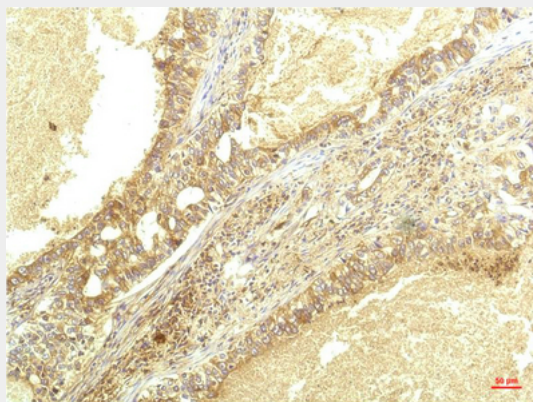
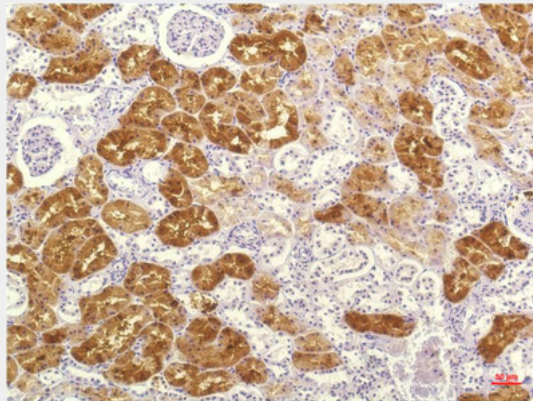
**Cellular Location**  
Secreted.

### IL-8 mouse Monoclonal Antibody(8B1) - 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 mouse Monoclonal Antibody(8B1) - Images



### IL-8 mouse Monoclonal Antibody(8B1) - 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.