

**Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8)
Recombinant Antibody
Catalog # APR10223****Specification**

Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) - Product Information

Application	FC, E, FTA
Primary Accession	P10145
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	144.94 KDa

Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) - Additional Information**Target/Specificity**
CXCL8 / IL-8**Endotoxin**

< 0.001EU/ µg, determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) - 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). 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, PubMed: 8662698).

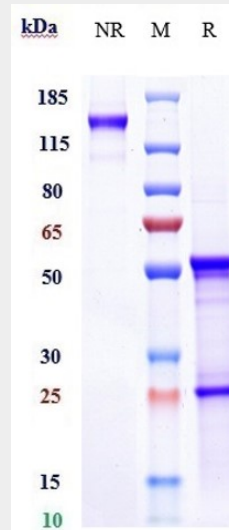
Cellular Location
Secreted.

Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) - Protocols

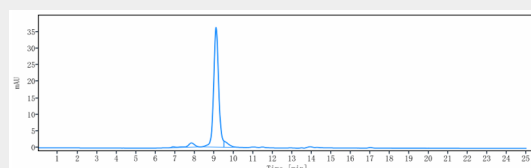
Provided below are standard protocols that you may find useful for product applications.

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

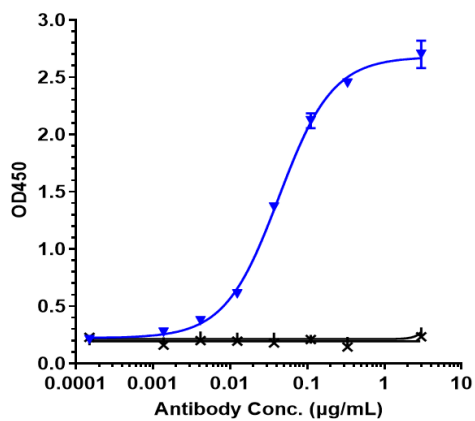
Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) - Images



Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 91.8%



The purity of Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) is more than 91.32%, determined by SEC-HPLC.



Immobilized human IL 8 His at 2 µg/mL can bind Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8) \square EC50=0.0427 µg/mL