

Anti-CXCL8 / IL-8 Reference Antibody (Genentech patent anti-IL-8)

Recombinant Antibody
Catalog # APR10873

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P10145
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	11098

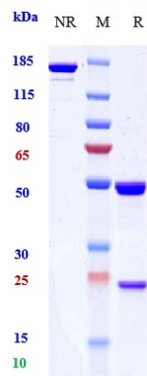
Additional Information

Target/Specificity	CXCL8 / IL-8
Endotoxin 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.

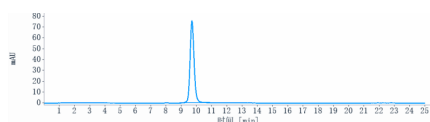
Protein Information

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 , PubMed: 7636208). Also plays an important role in neutrophil activation (PubMed: 2145175 , PubMed: 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 , 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.

Images



Anti-CXCL8 / IL-8 Reference Antibody (Genentech patent anti-IL-8) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CXCL8 / IL-8 Reference Antibody (Genentech patent anti-IL-8) is more than 95%, determined by SEC-HPLC.

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