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

Recombinant Antibody
Catalog # APR10223

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P10145
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	11098

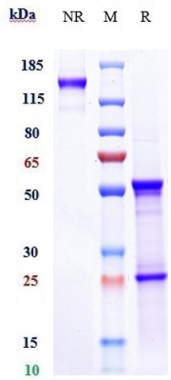
Additional Information

Target/Specificity	CXCL8 / IL-8
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

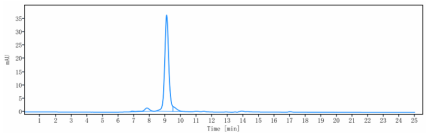
Protein Information

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.

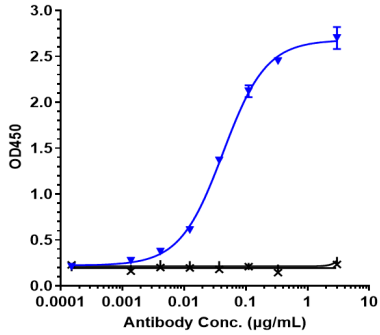
Images



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



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



Immobilized human IL 8 His at 2 ug/mL can bind Anti-CXCL8 / IL-8 Reference Antibody (HuMax-IL8), EC50=0.0427 ug/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.