Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-8 mAb (DET)

Catalog No.: RM17649

Basic Information

Catalog No.
RM17649

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1%Braveds MB-1,PH 7.4.

Contact

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Background

The protein encoded by this gene is a member of the CXC chemokine family and is a major mediator of the inflammatory response. The encoded protein is commonly referred to as interleukin-8 (IL-8). IL-8 is secreted by mononuclear macrophages, neutrophils, eosinophils, T lymphocytes, epithelial cells, and fibroblasts. It functions as a chemotactic factor by guiding the neutrophils to the site of infection. Bacterial and viral products rapidly induce IL-8 expression. IL-8 also participates with other cytokines in the proinflammatory signaling cascade and plays a role in systemic inflammatory response syndrome (SIRS). This gene is believed to play a role in the pathogenesis of the lower respiratory tract infection bronchiolitis, a common respiratory tract disease caused by the respiratory syncytial virus (RSV). The overproduction of this proinflammatory protein is thought to cause the lung inflammation associated with csytic fibrosis. This proinflammatory protein is also suspected of playing a role in coronary artery disease and endothelia...

Immunogen Information

Immunogen
Recombinant human IL-8/CXCL8 protein
Ser28-Ser99
Accession #P10145.1

Cross-Reactivity

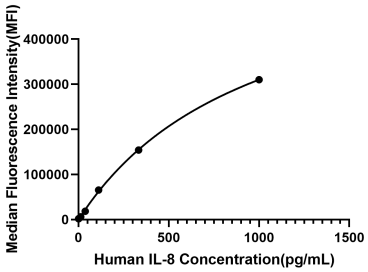
No cross-reactivity in multiplex assay with recombinant hG-CSF,hGM-CSF,hGROβ,hIL-1β,hIL-2,hIL-6,hIL-10,hMCP-1,hPDGF-BB,hTGF-β1,hTNF-α,hTNF-α,mTNF-α,mIL-1β,mIL-4,mIL-6,mIL-10

Assay Applications

Human IL-8 multiplex assay

	Recommended Concentration	Sample
Capture	2-10ug/ml	Rabbit anti-Human IL-8 mAb (CAP)(Cat. No. RM17648)
Detection	0.5-2ug/mL	Rabbit anti-Human IL-8 mAb (DET)(Cat. No. RM17649)
Standard	1.4-1000pg/mL	Recombinant IL-8 Protein (Cat. No. RM00069)

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.