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Rabbit anti-Human IL-8 mAb (CAP)

Catalog No.: RM17648 **1 Publications**

Basic Information

Catalog No.
RM17648

Catagory
Elisa Antibody Kit

Application
Multiplex

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

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

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

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

Cross-Reactivity

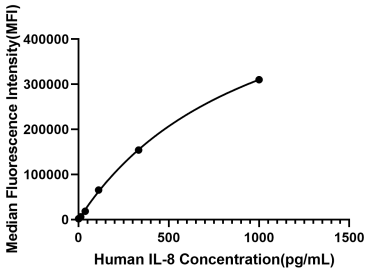
No cross-reactivity in immunoassay with recombinant
Human G-CSF, Human GM-CSF, Human GROβ, Human IL-1β, Human IL-2, Human IL-6, Human IL-10, Human MCP-1, Human PDGF-BB, Human TGF-β1, Human TNF-α, Mouse TNF-α, Mouse IL-1β, Mouse IL-4, Mouse IL-6, Mouse IL-10

Assay Applications

Human IL-8 Sandwich Immunoassay

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