

# Rabbit anti-Human IL-8 mAb (CAP)

**Catalog No.: RM17648**

## Basic Information

**Catalog No.**  
RM17648

**Catagory**  
Elisa Antibody Kit

**Application**  
multiplex assay

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
Store at -20°C. Avoid freeze / thaw cycles. Preservative 0.05%ProClin 300.  
**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 cystic 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,hGRO $\beta$ ,hIL-1 $\beta$ ,hIL-2,hIL-6,hIL-10,hMCP-1,hPDGF-BB,hTGF- $\beta$ 1,hTNF- $\alpha$ ,hTNF- $\alpha$ ,mTNF- $\alpha$ ,mIL-1 $\beta$ ,mIL-4,mIL-6,mIL-10

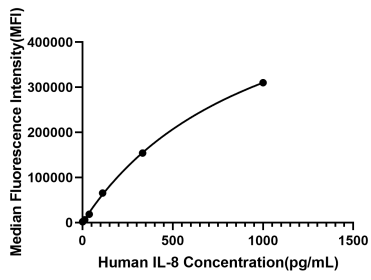
## Assay Applications

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

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