Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-8 mAb (CAP)

Catalog No.: RM17646

Basic Information

Catalog No.
RM17646

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 IL-8 Protein

Cross-Reactivity

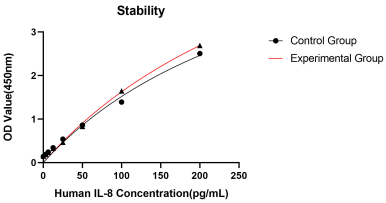
No cross-reactivity in ELISA assay with recombinant mIL-4、mIL-8、mIL-10

Assay Applications

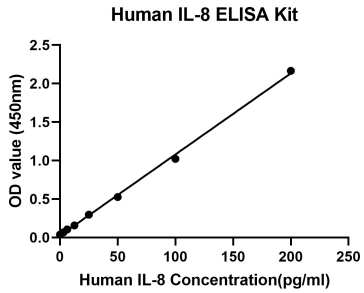
Human IL-8 Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human IL-8(CAP)(Cat. No.RM17646)
ELISA Detection	0.031-0.125ug/mL	Rabbit anti-Human IL-8(DET)(Cat. No.RM17647)
Standard	3.125-200pg/mL	Recombinant Human IL-8 Protein

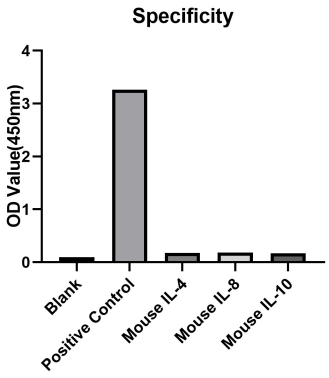
Validation Data



Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.



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



No significant cross-reactivity or interference was observed.