# Rabbit anti-Human IL-6 mAb (CAP)



Catalog No.: RM17650

## **Basic Information**

## Catalog No.

RM17650

#### 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**

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including suspectibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).

# **Immunogen Information**

## **Immunogen**

E. coli-derived human IL-6 protein Pro29-Met212 Accession #Q75MH2

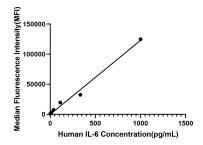
# **Cross-Reactivity**

No cross-reactivity in multiplex assay with Recombinant human CNTF[]IL-2 []IL-3[]G-CSF[] IL-4 []M-CSF[]IL-5 []IL-1A[]IL-1B []IL-6RA[]IL-6RB[]IL-7[]IL-8&Recombinant mouse IL-6[]IL-2[]IL-4[]IL-11[] IL-12

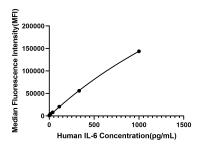
# **Assay Applications**

Human IL-6 multiplex assay

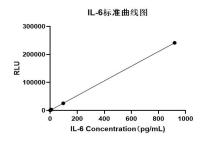
	Recommended Concentration	Sample
Capture	1-4 ug/ml	Rabbit anti-Human IL-6 mAb (CAP)(Cat. No. RM17650)
Detection	0.5-2ug/mL	Rabbit anti-Human IL-6 mAb (DET)(Cat. No. RM17651/RM17652)
Standard	1.4-1000pg/mL	Recombinant IL-6 Protein (Cat. No. RP00201)



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



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