Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-6 mAb (CAP)

Catalog No.: RM17601 **7 Publications**

Basic Information

Catalog No.
RM17601

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

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

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
Recombinant Human IL-6 Protein

Cross-Reactivity

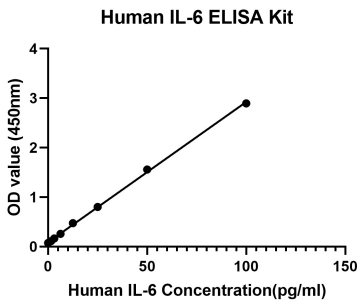
No cross-reactivity in ELISA assay with recombinant hCntf□hG-CSF□hGM-CSF□hIL-1A□hIL-1B□hIL-2□hIL-3□hIL-4□hIL-6RA□hIL-6RB□hIL-7□hIL-8□hIL-11□hIL-12□hLIF□hOSM□hTNFA□mIL-2□mIL-4□mIL-5□mIL-6□mIL-11□mIL-12

Assay Applications

Human IL-6 Sanwich Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4 μg/mL	Rabbit anti-Human IL-6 mAb (Cat. No. RM17601)
ELISA Detection	0.033-0.13 μg/mL	Rabbit anti-Human IL-6 mAb (Cat. No. RM17602)
Standard	1.56-100 pg/mL	Recombinant Human IL-6 Protein (Cat. No. RP00201)

Validation Data



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