Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Rabbit anti-Human IL-6 mAb (CAP)

Catalog No.: RM17650

Basic Information

Catalog No.
RM17650

Catagory
Elisa Antibody Kit

Application
Multiplex

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

order@abclonal.com

support@abclonal.com

www.abclonal.com

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

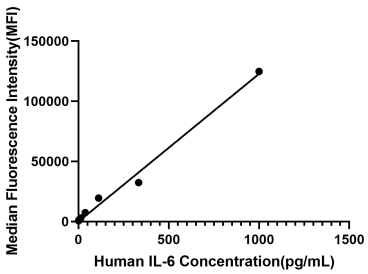
No cross-reactivity in multiplex assay with
Recombinant human CNTF, G-CSF, IL-1A, IL-1B, IL-2, IL-3, IL-4, M-CSF, IL-5 ,IL-6RA, IL-6RB, IL-7, IL-8 and Recombinant mouse IL-2, IL-4, IL-6, IL-11, IL-12

Assay Applications

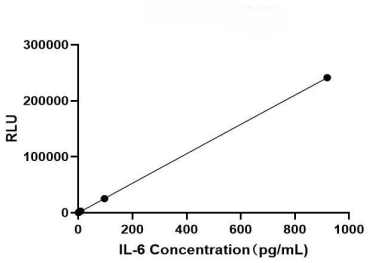
Human IL-6 Sandwich Immunoassay

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

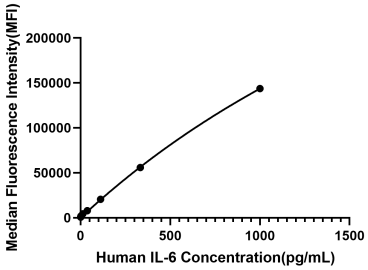
Validation Data



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



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



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