ABclonal Technology®

Rabbit anti-Human IL-6 mAb (DET)

Catalog No.: RM17652

Basic Information

Catalog No.
RM17652

Catagory
Elisa Antibody Kit

Application
multiplex assay

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃.
Preservative:0.1%Braveds MB-1
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

Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway (Probable). The interaction with the membrane-bound IL6R and IL6ST stimulates "classic signaling", whereas the binding of IL6 and soluble IL6R to IL6ST stimulates "trans-signaling". Alternatively, "cluster signaling" occurs when membrane-bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).

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
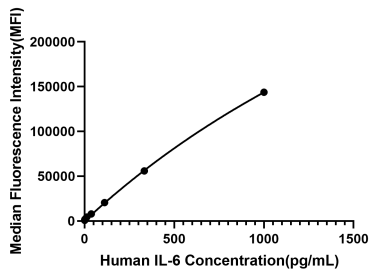
Assay Applications

Human IL-6 multiplex assay

	Recommended Concentration	Sample
Capture	10ug/106	Rabbit anti-Human IL-6 mAb (CAP)(Cat. No. RM17650)
Detection	0.5-2ug/mL	Rabbit anti-Human IL-6 mAb (DET)(Cat. No. RM17652)
Standard	1.4-1000pg/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.