

Rat Anti-IL6 Monoclonal Antibody

Cat. No. DMABT-H18984 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-IL6 Monoclonal Antibody
Species	Mouse
Source	Rat
Antigen Description	IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. IL-6 plays a role in host defense, acute phase reactions, immune responses, and hematopoiesis. IL-6 is expressed by T cells, B cells, monocytes, fibroblasts, hepatocytes, endothelial cells and keratinocytes.
Target	IL6
Immunogen	COS-7-expressed, recombinant mouse IL-6
Isotype	IgG1, kappa
species	Mouse
Clone	NQ6-30G4
Conjugation	APC
Applications	N/A

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Preparation	The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
Usage recommendation	TheNQ6-30G4antibody reacts with mouse interleukin-6 (IL-6). TheNQ6-30G4antibody can neutralize the bioactivity of natural or recombinant IL-6. Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.2 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light.Do not freeze.
Size	25 µg;100 µg

GENE INFORMATION

Gene Name	IL6 interleukin 6 [<i>Mus musculus</i>]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; interleukin-6; interleukin HP-1; B-cell hybridoma growth factor; IL-6;
Gene ID	16193
mRNA Refseq	NM_031168
Protein Refseq	NP_112445

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Pathway

Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;

Function

cytokine activity; cytokine activity; growth factor activity; interleukin-6 receptor binding; interleukin-6 receptor binding; protein binding; receptor binding;

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