

## Rat Anti-IL6 Monoclonal Antibody

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

### SPECIFICATION

<b>Product Overview</b>	Rat Anti-IL6 Monoclonal Antibody
<b>Species</b>	Mouse
<b>Source</b>	Rat
<b>Antigen Description</b>	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.
<b>Target</b>	IL6
<b>Immunogen</b>	COS-7-expressed, recombinant mouse IL-6
<b>Isotype</b>	IgG1, kappa
<b>species</b>	Mouse
<b>Clone</b>	NQ6-30G4
<b>Conjugation</b>	APC
<b>Applications</b>	N/A

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<b>Preparation</b>	The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
<b>Usage recommendation</b>	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.
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light.Do not freeze.
<b>Size</b>	25 µg;100 µg

## GENE INFORMATION

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