Rat Anti-IL6 Monoclonal Antibody

Cat. No. DMABT-H18985 **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. TheNQ6-43D22antibody reacts with mouse interleukin-6 (IL-6). The MP5-32c11 antibody can not neutralize the bioactivity of natural or recombinant IL-6.
Target	IL6
Immunogen	COS-7-expressed, recombinant mouse IL-6
Isotype	IgG2a, kappa
species	Mouse
Clone	NQ6-43D22
Conjugation	Biotin

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA,ELISPOT
Preparation	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.5-2 μg/ml is recommended. To obtain a linear standard curve, serial dilutions of mouse IL-6 recombinant protein ranging from 1000 to9pg/ml are recommended for each ELISA plate. For use as an ELISPOT detection antibody, a concentration range of 1-4 μg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C.Do not freeze.
Size	50 μg;500 μg

GENE INFORMATION

Gene Name	Il6 interleukin 6 [Mus musculus]
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

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Protein Refseq	NP_112445
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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