Rat Anti-Human IL6 Monoclonal Antibody [40D4]

CABT-ZC1189    Rat(IL6)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Rat Monoclonal Antibody to Human IL6 molecule

Antigen Description
Interleukin-6 (IL-6) is a proinflammatory cytokine secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is especially important in the early stages of T-cell differentiation. In this phase, it reinforces the effect of IL-2 and promotes the differentiation of CD4 cells into T-helper2 cells.

Target
IL6

Immunogen
Full length human recombinant protein of human IL-6 produced in E. coli cell.

Host
Rat

Isotype
IgG2a

Species
Human

Clone
40D4

Applications
ELISA, LMNX

PACKAGING

Concentration
0.5~1.0 mg/ml (Lot Dependent)

Buffer
Stored in PBS (pH 7.4) with 0.05% sodium azide, 10mg/ml BSA, 50% glycerol.

Storage
Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH 7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

ANTIGEN GENE INFORMATION

Gene Name
IL6 interleukin 6 (interferon, beta 2) [ Homo sapiens ]

Official Symbol
IL6

Synonyms
IL6; interleukin 6 (interferon, beta 2); IFNB2; interleukin-6; BSF2; HGF; HSF; IL 6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation fac

GenelID
3569

mRNA Refseq
NM_000600

Protein Refseq
NP_000591

MIM
147620

UniProt ID
P05231

Chromosome Location
7p21-p15

Pathway
ATF-2 transcription factor network; Adipogenesis; African trypanosomiasis; Amoebiasis; Chagas disease (American trypanosomiasis); Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction;
Function: cytokine activity; cytokine activity; growth factor activity; interleukin-6 receptor binding; contributes_to interleukin-6 receptor binding

## REFERENCES