

Rat Anti-CSF3 Monoclonal Antibody

Cat. No. DMABT-H19206 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-CSF3 Monoclonal Antibody
Species	Human
Source	Rat
Antigen Description	Granulocyte - colony stimulating factor (G-CSF) is a potent stimulator of bone marrow cells especially those of neutrophilic granulocyte lineage. In addition, G-CSF can enhance the survival and activate the immunological functions of mature neutrophils. G-CSF is produced primarily by monocytes and macrophages upon activation by endotoxin, TNF-alpha or IFN-gamma.
Target	CSF3
Immunogen	E. coli-expressed, recombinant human G-CSF
Isotype	IgG2a, kappa
species	Human
Clone	CWE22-48H20
Conjugation	Biotin
Applications	ELISA,ELISPOT

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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 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	500 µg

GENE INFORMATION

Gene Name	CSF3 colony stimulating factor4(granulocyte) [Homo sapiens]
Official Symbol	CSF3
Synonyms	CSF3; colony stimulating factor4(granulocyte); C17orf33, chromosome28open reading frame 33 , G CSF, GCSF; granulocyte colony-stimulating factor; filgrastim; granulocyte colony stimulating factor; lenograstim; MGC45931; pluripoietin; GCSF; CSF3OS; C17orf33;
Gene ID	1440
mRNA Refseq	NM_000759
Protein Refseq	NP_000750

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MIM	138970
UniProt ID	P09919
Chromosome Location	17q11.2-q12
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine activity; cytokine activity; enzyme binding; granulocyte colony-stimulating factor receptor binding; growth factor activity;

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