

# Rat Anti-CSF3 Monoclonal Antibody

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

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b>    | Rat Anti-CSF3 Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>              | Rat                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Antigen Description</b> | 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. |
| <b>Target</b>              | CSF3                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>           | E. coli-expressed, recombinant human G-CSF                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>             | IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                 |
| <b>species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clone</b>               | CWE22-48H20                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Conjugation</b>         | Biotin                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>        | ELISA,ELISPOT                                                                                                                                                                                                                                                                                                                                                                |

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|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Preparation</b>          | The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.                                                                                                     |
| <b>Usage recommendation</b> | 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. |
| <b>Concentration</b>        | 0.5 mg/ml                                                                                                                                                                                                                                                   |
| <b>Storage</b>              | The antibody solution should be stored undiluted at 4 °C. Do not freeze.                                                                                                                                                                                    |
| <b>Size</b>                 | 500 µg                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CSF3 colony stimulating factor4(granulocyte) [ Homo sapiens ]                                                                                                                                                                                                    |
| <b>Official Symbol</b> | CSF3                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 1440                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_000759                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_000750                                                                                                                                                                                                                                                        |

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| <b>MIM</b>                 | 138970                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | P09919                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 17q11.2-q12                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | cytokine activity; cytokine activity; enzyme binding; granulocyte colony-stimulating factor receptor binding; growth factor activity;                                                                                                                                                                                                                                                                                   |

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