



# Anti-CSF1 polyclonal antibody (CPBT-65191RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rabbit anti Human M-CSF antibody specifically recognizes human M-CSF (Macrophage colony-stimulating factor), a potent lineage restricted haematopoietic growth factor and member of the CSF family of hormone-like glycoproteins, which plays a key role in the regulation of cellular differentiation, proliferation, and the survival of blood monocytes, tissue macrophages and their progenitor cells. Along with sRANKL/CD254/OPGL, M-CSF is essential for osteoclastogenesis, acting through the tyrosine kinase receptor c-fms (colony stimulating factor 1 receptor), and facilitates haematopoietic recovery following bone marrow transplantation. Western Blotting This antibody may be used under either reducing or non-reducing western blotting conditions.

|                           |  |
|---------------------------|--|
| <b>Specificity</b>        | M-CSF  |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | ELISA; FA; IHC-P; WB   |
| <b>Format</b>             | Purified IgG - lyophilised   |
| <b>Size</b>               | 100 µg   |
| <b>Preservative</b>       | None   |
| <b>Storage</b>            | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a |

precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

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|---------------------|--|
| Gene Name           | <a href="#">CSF1 colony stimulating factor 1 (macrophage) [ Homo sapiens (human) ]</a>   |
| Official Symbol     | CSF1   |
| Synonyms            | CSF1; colony stimulating factor 1 (macrophage); MCSF; CSF-1; macrophage colony-stimulating factor 1; lanimostim; M-CSF;  |
| Entrez Gene ID      | <a href="#">1435</a>   |
| Protein Refseq      | <a href="#">NP_000748</a>  |
| UniProt ID          | P09603   |
| Chromosome Location | 1p13.3   |
| Pathway             | Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response; Hematopoietic cell lineage; Integrins in angiogenesis; Osteoclast differentiation; PI3K-Akt signaling pathway; Rap1 signaling pathway; Ras signaling pathway; |
| Function            | cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding; protein homodimerization activity;   |