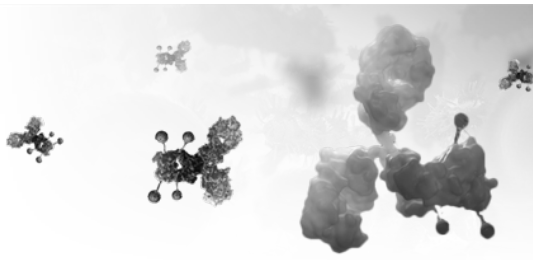

Anti-CSF1 polyclonal antibody (CPBT-65193GM)

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

PRODUCT INFORMATION

Product Overview	Goat anti Mouse M-CSF antibody recognizes mouse 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). A genetic defect in M-CSF is responsible for osteopetrosis in mice (op/op), which are severely deficient in mature macrophages and have a restricted capacity for bone remodelling.
Specificity	M-CSF
Immunogen	Recombinant mouse M-CSF
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Conjugate	Unconjugated
Applications	ELISA; FA; WB
Format	Purified IgG - lyophilised
Size	100 µg
Preservative	None
Storage	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

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Csf1 colony stimulating factor 1 (macrophage) [Mus musculus (house mouse)]
Official Symbol	CSF1
Synonyms	CSF1; colony stimulating factor 1 (macrophage); op; Csfm; MCSF; C87615; macrophage colony-stimulating factor 1; osteopetrosis; M-CSF;
Entrez Gene ID	12977
Protein Refseq	NP_001107001
UniProt ID	P07141
Chromosome Location	3 F3; 3 46.83 cM
Pathway	Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Hematopoietic cell lineage; Osteoclast differentiation; PI3K-Akt signaling pathway; Rap1 signaling pathway; Ras signaling pathway; Rheumatoid arthritis;
Function	cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding; protein binding; protein homodimerization activity;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221