bs-4910R **[Primary Antibody]**

CSF1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1435 **SWISS:** P09603

Target: CSF1

Immunogen: KLH conjugated synthetic peptide derived from human MCSF/M-CSF: 201-300/554.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Four distinct colony-stimulating factors (CSFs) that promote survival, proliferation and differentiation of bone marrow precursor cells have been well characterized: granulocyte macrophage CSF (GMCSF), granulocyte CSF (GCSF), macrophage CSF (MCSF), and Interleukin-3 (IL-3, Multi CSF). Both GMCSF and IL-3 are multipotential growth factors, stimulating proliferation of progenitor cells from more than one hematopoietic lineage. In contrast, GCSF and MCSF are lineage restricted hematopoietic growth factors, stimulating final mitotic divisions and the terminal cellular maturation of the partially differentiated hematopoietic progenitors.
Macrophage CSF, also known as CSF1, is produced by monocytes, fibroblasts and endothelial cells. It stimulates the formation of macrophage colonies, enhances antibody-dependent, cell-mediated cytotoxicity by monocytes and macrophages, and inhibits bone resorption by osetoclasts. Natural human MCSF is a dimeric glycoprotein of 70-90 kD molecular weight, existing in multiple glycosylation forms. It binds to a 165 kD glycoprotein of the receptor tyrosine kinase subclass III, a family that includes the receptors for platelet derived growth factor (PDGF) and stem cell factor (SCF).

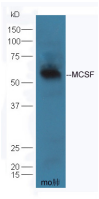
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Dog)

Predicted MW.: 57 kDa

Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane

VALIDATION IMAGES



Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-MCSF (bs-4910R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 57 kD Observed band size: 57 kD

SELECTED CITATIONS

- **[IF=8.109]** Vladimir Grubišić. et al. Enteric Glia Modulate Macrophage Phenotype and Visceral Sensitivity following Inflammation. Cell Rep. 2020 Sep;32:108100 FCM ;Mouse. 32905782
- **[IF=7.4]** Shijie Fan. et al. Selenium maintains intestinal epithelial cells to activate M2 macrophages against

deoxynivalenol injury. FREE RADICAL BIO MED. 2024 Apr;: FCM,WB ;Mouse. 38636715