

**KD-Validated Anti-Colony Stimulating Factor 1 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1499****Specification**

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**KD-Validated Anti-Colony Stimulating Factor 1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">P09603</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 60 kDa, observed, 30 kDa kDa
Gene Name	CSF1
Aliases	CSF1; Colony Stimulating Factor 1; MCSF; M-CSF; Proteoglycan Macrophage Colony-Stimulating Factor; Colony Stimulating Factor 1 (Macrophage); Macrophage Colony Stimulating Factor 1; Macrophage Colony-Stimulating Factor 1; Lanimostim; MGC31930; PG-M-CSF; CSF-1; CSF1-HERV-LTR71B Fusion Protein
Immunogen	A synthesized peptide derived from human MCSF

**KD-Validated Anti-Colony Stimulating Factor 1 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	1435
<b>Other Names</b>	
Macrophage colony-stimulating factor 1, CSF-1, M-CSF, MCSF, Lanimostim, Proteoglycan macrophage colony-stimulating factor, PG-M-CSF, Processed macrophage colony-stimulating factor 1, Macrophage colony-stimulating factor 1 43 kDa subunit, CSF1	

**KD-Validated Anti-Colony Stimulating Factor 1 Rabbit Monoclonal Antibody - Protein Information****Name** CSF1**Function**

Cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. Promotes the release of pro-inflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. Required for normal male and female fertility. Promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. Plays a role in lipoprotein clearance.

## Cellular Location

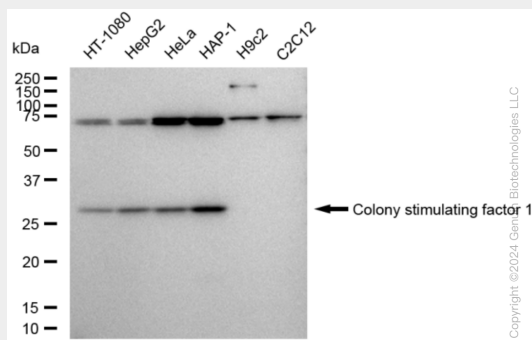
Cell membrane; Single-pass type I membrane protein

## KD-Validated Anti-Colony Stimulating Factor 1 Rabbit Monoclonal Antibody - Protocols

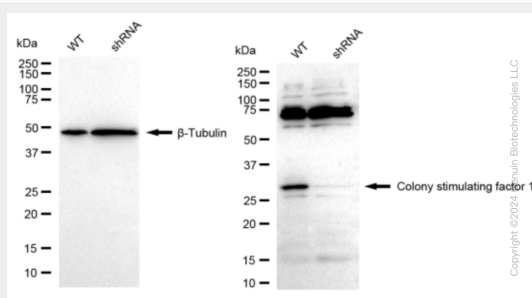
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

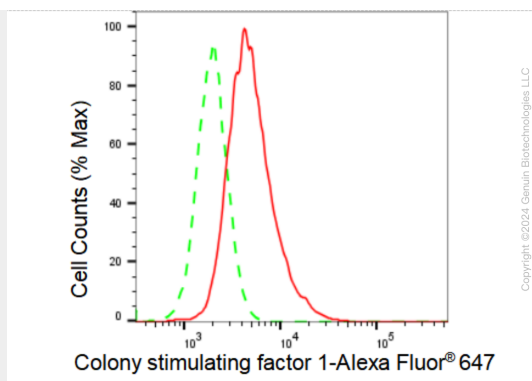
## KD-Validated Anti-Colony Stimulating Factor 1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Colony stimulating factor 1 antibody (Cat#AGI1499). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Colony stimulating factor 1 antibody (Cat#AGI1499, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Colony stimulating factor 1 antibody (Cat#AGI1499). Colony stimulating factor 1 expression in wild type (WT) and Colony stimulating factor 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Colony stimulating factor 1 antibody (Cat.#AGI1499, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Colony stimulating factor 1 expression in HAP-1 cells using Colony stimulating factor 1 antibody (Cat#AGI1499, 1:2,000). Green, isotype control; red, Colony stimulating factor 1.