

Product Name: KD-Validated Colony Stimulating Factor 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01123

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 60.2kDa

Antigen Information

Gene Name	CSF1
Alternative Names	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
Gene ID	1435.0
SwissProt ID	P09603
Immunogen	A synthesized peptide derived from human MCSF

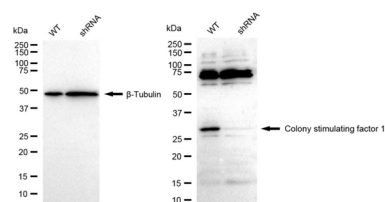
Background

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

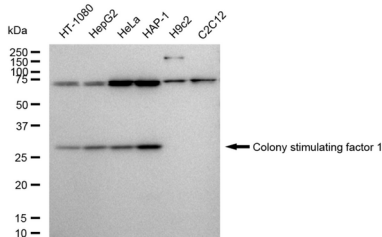
Research Area

Immunology, Cardiovascular, Kits/ Lysates/ Other, Neuroscience

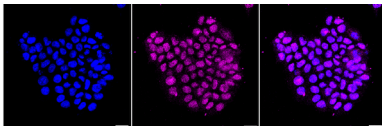
Image Data



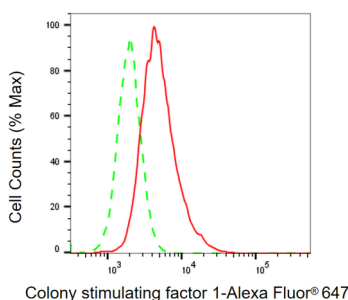
Western blotting analysis using Colony stimulating factor 1 antibody (KVA01123). Colony stimulating factor 1 expression in wild type (WT) and Colony stimulating factor 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Colony stimulating factor 1 antibody (KVA01123, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Colony stimulating factor 1 antibody (KVA01123). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Colony stimulating factor 1 antibody (KVA01123, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Colony stimulating factor 1 antibody (KVA01123, 1:1,000). Nuclei were stained blue with DAPI; Colony stimulating factor 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Colony stimulating factor 1 expression in HAP-1 cells using Colony stimulating factor 1 antibody (KVA01123, 1:2,000). Green, isotype control; red, Colony stimulating factor 1.