

ARG83797 Human M-CSF ELISA Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83797 Human M-CSF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human M-CSF in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	M-CSF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.81 pg/ml
Sample Type	serum, plasma and cell culture supernatants.
Standard Range	15.625 – 1000 pg/ml
Sample Volume	50 µl
Alternate 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

Application Instructions

Assay Time	4 hours
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Properties

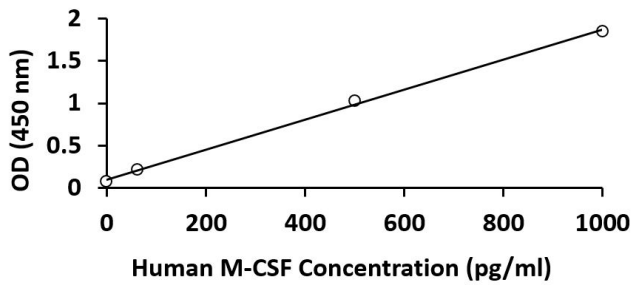
Form	96 well
Storage instruction	Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CSF1
Gene Full Name	Colony Stimulating Factor 1
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]
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. [Uniprot]

Images



ARG83797 Human M-CSF ELISA Kit standard curve image

ARG83797 Human M-CSF ELISA Kit results of a typical standard run with optical density reading at 450 nm.