antibodies

Datasheet for ABIN6253718 M-CSF/CSF1 Protein (AA 33-255) (His tag)





Overview

Quantity:	50 µg
Target:	M-CSF/CSF1 (CSF1)
Protein Characteristics:	AA 33-255
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This M-CSF/CSF1 protein is labelled with His tag.

Product Details

Sequence:	AA 33-255
Characteristics:	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 26 kDa. The protein migrates as 36-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Target Details	
Target:	M-CSF/CSF1 (CSF1)
Alternative Name:	M-CSF (CSF1 Products)

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Background:	The colony stimulating factor 1 (CSF1), also known as macrophage colony-stimulating factor
	(M-CSF), is a secreted cytokine which influences hematopoietic stem cells to differentiate into
	macrophages or other related cell types. Eukaryotic cells also produce M-CSF in order to
	combat intercellular viral infection. It is one of the three experimentally described colony-
	stimulating factors. M-CSF binds to the colony stimulating factor 1 receptor. Macrophage
	colony-stimulating factor has been shown to interact with PIK3R2. M-CSF (or CSF-1) is a
	hematopoietic growth factor that is involved in the proliferation, differentiation, and survival of
	monocytes, macrophages, and bone marrow progenitor cells. Locally produced M-CSF in the
	vessel wall contributes to the development and progression of atherosclerosis.
Molecular Weight:	26.0 kDa
Pathways:	RTK Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



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Image 1. Immobilized Human M-CSF, His Tag (ABIN5674639,ABIN6253718) at 5 µg/mL (100 µL/well) can bind Cynomolgus M-CSF R, Fc Tag (ABIN5526646,ABIN5526647) with a linear range of 1-39 ng/mL (Routinely tested).

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0.5 μg of Human M-CSF, His Tag per well 0.5 μg of Human M-CSF, His Human M-CSF, His Human M-CSF, His Human M-CSF, His

SDS-PAGE

Image 2. Human M-CSF, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .

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Image 3. Immobilized Human M-CSF, His Tag (ABIN5674639,ABIN6253718) at 5 μ g/mL (100 μ L/well) can bind Human M-CSF R, Fc Tag (ABIN2180912,ABIN2180911) with a linear range of 0.1-4 ng/mL (QC tested).

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