Recombinant Anti-CSF1 Antibody (V3S-0622-YC3185)

Cat. No.: V3S-0622-YC3185

Summary

Description	This product is a human monoclonal antibody that reacts with CSF1. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The *In vivo* version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Human
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4^{0}C within a week. For longer storage, aliquot and store at -20^{0}C.

Applications

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Application	ELISA
Application Notes	The antibody is recommended for detection of CSF1 by ELISA assay.

Target

Target	CSF1
Alternative Name	Colony Stimulating Factor 1; Colony Stimulating Factor 1 (Macrophage); Macrophage Colony Stimulating Factor 1; Lanimostim; CSF-1; MCSF; Macrophage Colony-Stimulating Factor 1; M-CSF;
Gene ID	1435
UniProt	P09603
Introduction	The colony stimulating factor 1 (CSF1), also known as macrophage colony-stimulating factor (M-CSF), is a secreted cytokine which causes hematopoietic stem cells to differentiate into m acrophages or other related cell types. Eukaryotic cells also produce M-CSF in order to comb at intercellular viral infection. It is one of the three experimentally described colony-stimulatin g factors. M-CSF binds to the colony stimulating factor 1 receptor. It may also be involved in development of the placenta.
Research Area	Immunology

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