Datasheet for ABIN6719490

anti-M-CSF/CSF1 antibody (AA 33-190)

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Overview

Quantity:	100 µg
Target:	M-CSF/CSF1 (CSF1)
Binding Specificity:	AA 33-190
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This M-CSF/CSF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-CSF1 Antibody Picoband®
Immunogen:	E. coli-derived human CSF1 recombinant protein (Position: E33-N190).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CSF1 Antibody Picoband® (ABIN6719490). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	M-CSF/CSF1 (CSF1)
Alternative Name:	CSF1 (CSF1 Products)
Background:	Synonyms: Macrophage colony-stimulating factor 1, CSF-1, M-CSF, MCSF, Lanimostim, Processed macrophage colony-stimulating factor 1, CSF1 Background: M-CSF (or CSF-1) is a hematopoietic growth factor that is involved in the proliferation, differentiation, and survival ofmonocytes, macrophages, and bone marrow progenitor cells. M-CSF affects macrophages and monocytes in several ways, including stimulating increased phagocytic and chemotactic activity, and increased tumour cell cytotoxicity. The role of M-CSF is not only restricted to the monocyte/macrophage cell lineage. By interacting with its membrane receptor (CSF1R or M-CSF-R encoded by the c-fms proto-oncogene), M-CSF also modulates the proliferation of earlier hematopoietic progenitors and influence numerous physiological processes involved in immunology, metabolism, fertility and pregnancy.
Molecular Weight:	60 kDa
Gene ID:	1435
UniProt:	P09603
Pathways:	RTK Signaling

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL ELISA, 0.1-0.5 µg/mL 1. Fixe P, Praloran V (June 1997)."Macrophage colony-stimulating-factor (M-CSF or CSF-1) and its receptor: structure-function relationships". Eur. Cytokine Netw. 8 (2): 125-36. 2. Nemunaitis J (April 1993). "Macrophage function activating cytokines: potential clinical application". Crit. Rev. Oncol. Hematol. 14 (2): 153-71. 3. Stanley ER, Berg KL, Einstein DB, Lee PS, Pixley FJ, Wang Y, Yeung YG (January 1997). "Biology and action of colony--stimulating factor-1". Mol. Reprod. Dev. 46(1): 4-10.
Comment:	Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.