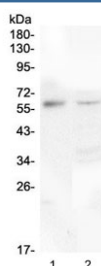


CSF1 Antibody / Macrophage Colony Stimulating Factor 1 (RQ4556)

Catalog No.	Formulation	Size
RQ4556	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P09603
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
Limitations	This CSF1 antibody is available for research use only.



Western blot testing of human 1) placenta and 2) 293T lysate with CSF1 antibody at 0.5ug/ml. Predicted molecular weight ~60 kDa.

Description

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. 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.

Application Notes

Optimal dilution of the CSF1 antibody should be determined by the researcher.

Immunogen

Amino acids E33-N190 from the human protein were used as the immunogen for the CSF1 antibody.

Storage

After reconstitution, the CSF1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.