

CSF1R Antibody Colony Stimulating Factor 1 Receptor (R31005)

Catalog No.	Formulation	Size
R31005	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P07333
Applications	Western blot : 0.5-1ug/ml
Limitations	This CSF1R antibody is available for research use only.



Western blot testing of CSF1R antibody and rat intestine tissue lysate. Predicted molecular weight ~110 kDa.

Description

Colony-Stimulating Factor 1 Receptor also known as MCSFR, FMS, c-FMS, and CD115, encodes a tyrosine kinase growth factor receptor for colony-stimulating factor-1, the macrophage-and monocyte-specific growth factor. The gene is located on long arm of chromosome 5(5q32) on the Crick(minus) strand. The as-yet-unidentified CSF1R promoter/enhancer sequences may be confined to the nucleotides separating the 2 genes or could potentially lie within the PDGFR gene itself. The encoded

protein is a single pass type I membrane protein and acts as the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. The protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Kondo et al. (2000) showed that the endogenous myelomonocytic cytokine receptors for GM-CSF and macrophage colony-stimulating factor are expressed at low to moderate levels on the more primitive hematopoietic stem cells, are absent on common lymphoid progenitors, and are upregulated after myeloid lineage induction by IL-2.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CSF1R antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Colony stimulating factor 1 receptor (EQGDIAQPLLQPNNYQFC) was used as the immunogen for this CSF1R antibody.

Storage

After reconstitution, the CSF1R 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.