

CSF1R Polyclonal Antibody

Catalog NumberPA5-17538

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *1:1,000
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic peptide corresponding to carboxy-terminal residues of human M-CSF receptor		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	97 µg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol		
Contains	no preservative		
Storage Conditions	-20°C		

Product specific information

It is not recommended to aliquot this antibody.

Background/Target Information

CSF1R (FMS) is involved in the production, differentiation, and function of macrophages, and is implicated in promyelocytic leukemias. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. CSF1R is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in the gene encoding CSF1R have been associated with a predisposition to myeloid malignancy. Tyrosine-protein kinase that acts as cell-surface receptor for CSF1 and IL34 and plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. Promotes the release of proinflammatory chemokines in response to IL34 and CSF1, and plays an important role in innate immunity and in inflammatory processes. The first intron of the CSF1R gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Mutations in the CSF1R gene have been associated with a predisposition to myeloid malignancy.

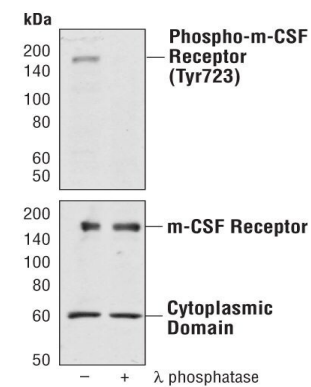
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Product Images For CSF1R Polyclonal Antibody



CSF1R Antibody (PA5-17538) in WB

Western blot analysis of M-CSF Receptor in extracts from GDM-1 cells, untreated or lambda phosphatase-treated, using M-CSF Receptor polyclonal antibody (Product # PA5-17538) using a Phospho-M-CSF Receptor pTyr723 polyclonal antibody (upper) or M-CSF Receptor antibody (lower).

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