

CSF1R Polyclonal Antibody

Catalog NumberPA5-19364

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *0.1-0.5 µg/mL
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 sequence (KNIHLEKKYVR) corresponding to the internal amino acids of CSF1R		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, canine, mouse and rat based on sequence homology. This antibody is tested in Peptide ELISA: antibody detection limit dilution 32,000.

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.

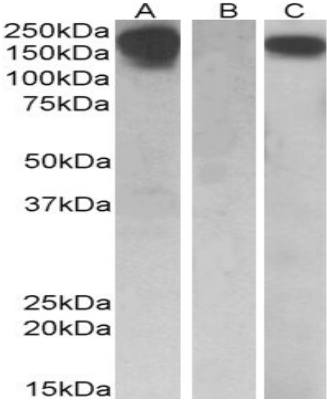
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Product Images For CSF1R Polyclonal Antibody



CSF1R Antibody (PA5-19364) in WB

Western blot analysis of CSF1R using CSF1R Polyclonal Antibody (Product # PA5-19364) in Lane A: HEK293 lysate (10 µg protein in RIPA buffer) overexpressing Human CSF1R with C-terminal MYC tag probed with CSF1R Polyclonal (0.5 µg/mL). Lane B: Mock-transfected HEK293 probed with CSF1R Polyclonal (1 mg/mL). Lane C: transfected HEK293 lysate probed with anti-MYC Tag (1:1,000). Primary incubations were for 1 hour. Detected by chemiluminescence.

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