

GM-CSF Monoclonal Antibody (3D3)

Catalog NumberMA5-15614

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	<div>Tested ApplicationsDilution *</div> <div>ELISA (ELISA)1:10,000</div> <div>Western Blot (WB)1:500-1:2,000</div>	
Class	Monoclonal		
Type	Antibody	<div>* 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.</div>	
Clone	3D3		
Immunogen	Purified recombinant fragment of human CSF2 (aa18-144) expressed in E. Coli.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Conc. Not Determined		
Storage buffer	ascites		
Contains	0.03% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

MA5-15614 targets CSF2 in indirect ELISA, WB applications and shows reactivity with Human samples. The MA5-15614 immunogen is purified recombinant fragment of human CSF2 (aa18-144) expressed in E. Coli. . MA5-15614 detects CSF2 which has a predicted molecular weight of approximately 16kDa.

Background/Target Information

The GM-CSF gene encodes for a cytokine that regulates the production, differentiation, and function of macrophages and granulocytes. The active form of the protein exists as a homodimer in the extracellular space. This gene is located in a cluster of related genes at the chromosome region 5q31, which has been associated with interstitial deletions in the 5q- syndrome and acute myelogenous leukemia. Other genes in the cluster include interleukins 4, 5, and 13. The gene is involved in promoting tissue inflammation. Elevated levels of cytokines, including the one produced by this gene, have been observed in SARS-CoV-2 infected patients with acute respiratory distress syndrome. Mice that lack this gene or its receptor have been shown to develop pulmonary alveolar proteinosis.

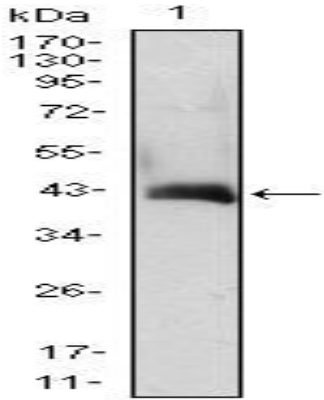
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Product Images For GM-CSF Monoclonal Antibody (3D3)



GM-CSF Antibody (MA5-15614) in WB

Western blot analysis of CSF2 using CSF2 monoclonal antibody (Product # MA5-15614) in CSF2 (AA: 18-144) human IgG Fc transfected HEK293 cell lysate.

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