

PR3 Mouse mAb

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Catalog # AP94814

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Physical State	Lyophilized or Liquid
Immunogen	Recombinant human PR3
Isotype	IgG
Purity	affinity purified by Protein A

Buffer 0.01M PBS(pH7.4)

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions The major features of Wegener granulomatosis are necrotizing granulomatous lesions, which most often affect the upper and lower airways and are associated with vasculitis, necrotizing glomerulonephritis and pulmonary capillaritis. The antigen responsible for this disease is Proteinase 3 (PR3, P29 or myeloblastin), which is one of the antibiotic proteins of neutrophilic granules belonging to the serine protease family. It is closely related to two others: Neutrophil Elastase and azurocidin. All three genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. PR3 is a neutrophil protein which is able to cleave elastin and is involved in proliferation of human leukemia cells. PR3 is expressed specifically in immature myeloid cells and is a G-CSF-responsive protein critical to factor-independent growth. The genes for all three of the related serine protease family members are located in a cluster on the tip of the short arm of human chromosome 19.

Additional Information

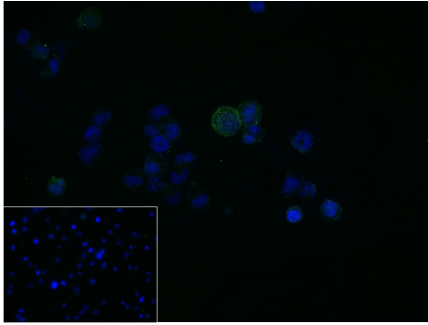
Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ICC/IF=1:100-500

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

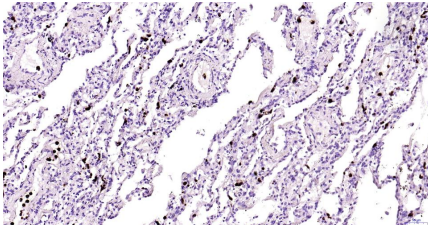
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Images



4% Paraformaldehyde-fixed HL-60 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (PR3) monoclonal Antibody, unconjugated (AP94814) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, AP94814-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



Paraformaldehyde-fixed, paraffin embedded Human lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PR3 Monoclonal Antibody, Unconjugated(AP94814) at 1:200 overnight at 4°C, followed by conjugation to the AP94814-HRP and DAB (C-0010) staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.