

PR3 Monoclonal Antibody

Catalog No :	YM0532
Reactivity :	Human
Applications :	WB;ELISA
Target :	PR3
Gene Name :	PRTN3
Protein Name :	Myeloblastin
Human Gene Id :	5657
Human Swiss Prot No :	P24158
Mouse Swiss Prot No :	Q61096
Immunogen :	Purified recombinant fragment of human PR3 expressed in E. Coli.
Specificity :	PR3 Monoclonal Antibody detects endogenous levels of PR3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	28kD
P References :	1. Blood. 2007 Dec 1;110(12):4086-95. 2. Clin Exp Immunol. 2006 Jul;145(1):63-70.

Background :

catalytic activity:Hydrolysis of proteins, including elastin, by preferential cleavage: -Ala-|-Xaa- > -Val-|-Xaa-.,function:Polymorphonuclear leukocyte serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) and causes emphysema when administered by tracheal insufflation to hamsters.,online information:Proteinase 3 entry,similarity:Belongs to the peptidase S1 family. Elastase subfamily.,similarity:Contains 1 peptidase S1 domain.,

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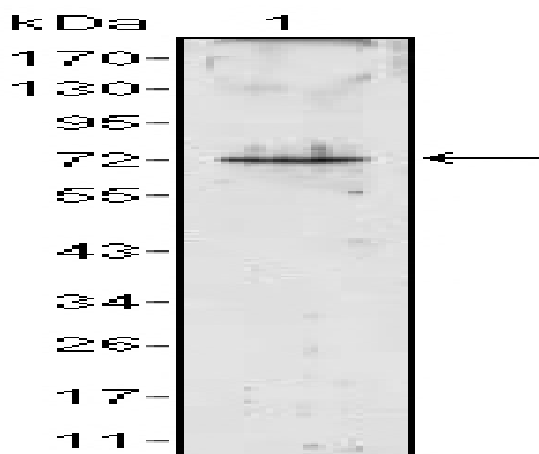
Subcellular Location :

Cytoplasmic granule . Secreted . Cell membrane ; Peripheral membrane protein ; Extracellular side . Membrane raft ; Peripheral membrane protein ; Extracellular side . Localizes predominantly to azurophil granules (primary secretory granules) in neutrophils (PubMed:2033050, PubMed:3198760, PubMed:7897245, PubMed:18462208). Secreted upon neutrophil stimulation by TNF-alpha, lipopolysaccharide (LPS), fMLP and CXCL8/IL8 or during neutrophil transmigration (PubMed:22266279, PubMed:28240246). Following secretion tethered to the cell membrane by CD177 (PubMed:18462208, PubMed:22266279). .

Expression :

Expressed in polymorphonuclear leukocytes (at protein level) (PubMed:2033050, PubMed:7897245, PubMed:3198760). Expressed in neutrophils (at protein level) (PubMed:28240246, PubMed:18462208, PubMed:21193407, PubMed:22266279, PubMed:17244676). Expressed in differentiating neutrophils (PubMed:18462208).

Products Images



Western Blot analysis using PR3 Monoclonal Antibody against PRTN3 (aa28-256)-hlgGfc transfected HEK293 cell lysate (1).