

Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17341**Specification****Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8) - Product Information**

Application	IHC-P
Primary Accession	P24158
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	27807

Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8) - Additional Information**Gene ID 5657**Alias Symbol **PRTN3****Other Names**

PRTN3, ACPA, Azurophil granule protein 7, C-ANCA antigen, CANCA, C-ANCA, AGP7, Leukocyte proteinase 3, MBN, Myeloblastin, NP-4, Neutrophil proteinase 4, NP4, p29, PR-3, Proteinase 3, MBT, Wegener autoantigen, PR3, Serine proteinase, neutrophil

Target/Specificity

Human PRTN3 / Proteinase 3

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide Store at -20°C. Minimize freezing and thawing.

Precautions

Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8) - Protein Information**Name** PRTN3**Synonyms** MBN**Function**

Serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) (PubMed: [3198760](http://www.uniprot.org/citations/3198760), PubMed: [2033050](http://www.uniprot.org/citations/2033050), PubMed: [28240246](http://www.uniprot.org/citations/28240246)). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial

migration (PubMed:23202369). May play a role in neutrophil transendothelial migration, probably when associated with CD177 (PubMed:22266279).

Cellular Location

Cytoplasmic granule. Secreted. Cell membrane; Peripheral membrane protein; Extracellular side. Membrane raft; Peripheral membrane protein; Extracellular side. Note=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)

Tissue Location

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)

Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PRTN3 / Myeloblastin Antibody (aa28-248, clone 5B8) - Images