

PRTN3 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP22068b**Specification**

PRTN3 Blocking Peptide (C-term) - Product InformationPrimary Accession [P24158](#)**PRTN3 Blocking Peptide (C-term) - Additional Information****Gene ID** 5657**Other Names**

Myeloblastin, 3.4.21.76, AGP7, C-ANCA antigen, Leukocyte proteinase 3, PR-3, PR3, Neutrophil proteinase 4, NP-4, P29, Wegener autoantigen, PRTN3, MBN

Target/Specificity

The synthetic peptide sequence is selected from aa 108-118 of HUMAN PRTN3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRTN3 Blocking Peptide (C-term) - 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](http://www.uniprot.org/citations/23202369)). May play a role in neutrophil transendothelial migration, probably when associated with CD177 (PubMed: [22266279](http://www.uniprot.org/citations/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)

PRTN3 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

PRTN3 Blocking Peptide (C-term) - Images

PRTN3 Blocking Peptide (C-term) - Background

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.

PRTN3 Blocking Peptide (C-term) - References

Labbaye C.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:9253-9256(1991).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Zimmer M.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:8215-8219(1992).
Sturrock A.B.,et al.J. Biol. Chem. 267:21193-21199(1992).