

**AM06358PU-N****Monoclonal Antibody to PR3 / C-ANCA - Aff - Purified****Alternate names:**

AGP7, Leukocyte proteinase 3, MBN, Myeloblastin, NP-4, Neutrophil proteinase 4, P29, PR-3, PRTN3, Proteinase 3, Wegener autoantigen

**Quantity:**

0.1 ml

**Background:**

Proteinase 3, also known as PRTN3. PRTN3 is a serine protease enzyme expressed mainly in neutrophil granulocytes. Its exact role in the function of the neutrophil is unknown but in human neutrophils proteinase 3 contributes to the proteolytic generation of antimicrobial peptides. It is also the epitope of anti-neutrophil cytoplasmic antibodies (ANCAs) of the cANCA (cytoplasmic subtype) class, a type of antibody frequently found in the disease Wegener's granulomatosis.

**Uniprot ID:**

[P24158](#)

**NCBI:**

[9606](#)

**GeneID:**

[5657](#)

**Host / Isotype:**

Mouse / IgG2b

**Clone:**

3B4

**Immunogen:**

Purified recombinant fragment of human Proteinase 3 expressed in E. Coli.

**Format:**

**State:** Liquid purified Ig fraction

**Purification:** Affinity chromatography on Protein G

**Buffer System:** PBS

**Preservatives:** 0.03% sodium azide

**Stabilizers:** 50% glycerol

**Applications:**

**Western Blot:** 1/500 - 1/2000.

**ELISA:** 1/10000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:**

28 kDa

**Specificity:**

This antibody reacts to Proteinase 3.

**Species Reactivity:**

**Tested:** Human.

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

1. Blood. 2007 Dec 1;110(12):4086-95.

2. Clin Exp Immunol. 2006 Jul;145(1):63-70.

## Pictures:

Western blot analysis using PRTN3 mouse mAb against PRTN3 (aa28-256)-hIgGFc transfected HEK293 cell lysate (1).

