

45-1108: Mouse Monoclonal Antibody to Human PRTN3 (Clone : 15E12D7)(Discontinued)

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| Clonality : | Monoclonal |
| Clone Name : | 15E12D7 |
| Application : | ELISA |
| Gene : | PRTN3 |
| Gene ID : | 5657 |
| Uniprot ID : | P24158 |
| Format : | Purified |
| Alternative Name : | ACPA, AGP7, azurophil granule protein 7, C-ANCA, C-ANCA antigen, CANCA, Leukocyte proteinase 3, MBN, MBT, Myeloblastin, Neutrophil proteinase 4, NP-4, NP4, P29, PR-3, PR3, serine proteinase, neutrophil, Wegener autoantigen, Wegener granulomatosis autoantigen |
| Isotype : | Mouse IgG2b,Kappa |
| Immunogen Information : | Recombinant Human PRTN3 |

Description

PRTN3 (Proteinase 3) is a protein coding gene. Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain. Among its related pathways are Immune System and Cytokine Signaling in Immune system. 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. Diseases associated with PRTN3 include Wegener Granulomatosis and Rapidly Progressive Glomerulonephritis. Human PRTN3 Antibody (15E12D7), mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with recombinant human PRTN3.

Product Info

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| Amount : | 40 µg |
| Purification : | Protein A chromatography |
| Content : | 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. |
| Storage condition : | The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles. |

Application Note

ELISA detection: 0.01-0.1 µg/ml
Western blot: 1-2 µg/ml

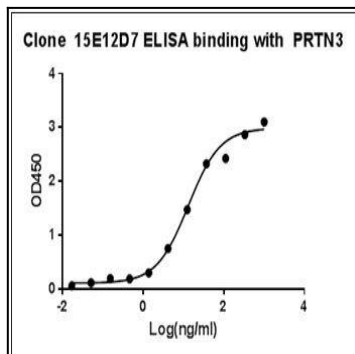


Figure-1 : ELISA binding of Human PRTN3 Antibody (Clone: 15E12D7) with Human PRTN3 recombinant protein, Coating antigen: PRTN3 at 1 μ g/ml, PRTN3 antibody dilution start from 1000 ng/ml, EC50= 13.17 ng/ml.

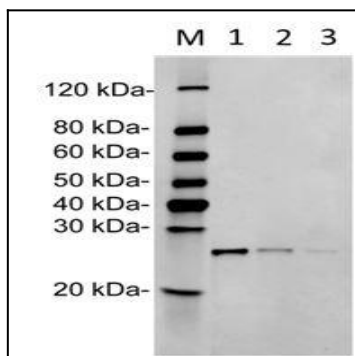


Figure-2 : Western Blot analysis of PRTN3 Antibody (Clone: 15E12D7) at 1 $\frac{1}{4}$ g/ml on Human PRTN3 recombinant protein (1-3: 50 ng, 10 ng & 5 ng), IRDye 800 conjugated Goat anti-Mouse IgG was used as Secondary Antibody at 0.125 $\frac{1}{4}$ g/ml.