

A2M Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14789a**Specification**

A2M Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P01023](#)**A2M Antibody (N-term) Blocking Peptide - Additional Information****Gene ID 2****Other Names**

Alpha-2-macroglobulin, Alpha-2-M, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5, A2M, CPAMD5

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.

A2M Antibody (N-term) Blocking Peptide - Protein Information**Name A2M****Synonyms CPAMD5****Function**

Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region, a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.

Cellular Location

Secreted.

Tissue Location

Secreted in plasma..

A2M Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

A2M Antibody (N-term) Blocking Peptide - Images

A2M Antibody (N-term) Blocking Peptide - Background

Alpha-2-macroglobulin is a protease inhibitor and cytokine transporter. It inhibits many proteases, including trypsin, thrombin and collagenase. A2M is implicated in Alzheimer disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. [provided by RefSeq].

A2M Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Bruno, E., et al. Neurosci. Lett. 482(2):112-116(2010) Nalpas, B., et al. Gut 59(8):1120-1126(2010) Song, H., et al. Neurosci. Lett. 479(2):143-145(2010) Seriramalu, R., et al. Electrophoresis 31(14):2388-2395(2010)