



# Human A2M peptide (DAG-P0116)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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, Jul 2008]
<b>Specificity</b>	Secreted in plasma.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the protease inhibitor I39 (alpha-2-macroglobulin) family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">A2M alpha-2-macroglobulin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	A2M
<b>Synonyms</b>	A2M; alpha-2-macroglobulin; A2MD; CPAMD5; FWP007; S863-7; alpha-2-M; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5;
<b>Entrez Gene ID</b>	<a href="#">2</a>
<b>mRNA Refseq</b>	<a href="#">NM_000014.4</a>

<b>Protein Refseq</b>	<a href="#">NP_000005.2</a>
<b>UniProt ID</b>	P01023
<b>Chromosome Location</b>	12p13.31
<b>Pathway</b>	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL
<b>Function</b>	enzyme binding; growth factor binding; interleukin-1 binding; interleukin-8 binding; protease binding; protein binding; serine-type endopeptidase inhibitor activity; tumor necrosis factor binding;