

Mouse Alpha-1-antitrypsin Antibody | anti-SERPINA1 antibody

Alpha-1-Antitrypsin Monoclonal Antibody

CATALOG # AAA47634	HOST Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Alpha-1-antitrypsin; Alpha-1-Antitrypsin Monoclonal Antibody; Anti-Alpha-1-antitrypsin; Alpha-1- Anti-Trypsin; anti-SERPINA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Specificity	These antibodies specifically recognize human serum alpha-1-antitrypsin. They do not cross-react with alpha-1-antichymotrypsin.
Applicable Applications for anti-SERPINA1 antibody	ELISA
Antigen	Purified human serum alpha-1-antitrypsin.
Dilution Instruction	Dilute in PBS or medium that is identical to that used in the assay system.
Preparation and Storage	These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycle

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Alpha-1 Antitrypsin (?1AT) is a protease inhibitor of the serpin superfamily. It is generally known as serum trypsin inhibitor and is also referred to as alpha-1 proteinase inhibitor (?1PI) because it inhibits multiple proteases. It protects tissues from proteases of inflammatory cells, particularly neutrophil elastase, and has a reference range in blood of 1.5 - 3.5 gram/liter, but the concentration can rise significantly in cases of acute inflammation. In its absence (such as in ?1AT deficiency), neutrophil elastase is free to break down elastin, which contributes to the elasticity of the lungs, resulting in respiratory complications such as emphysema, or COPD (chronic obstructive pulmonary disease) in adults and cirrhosis in adults or children.
Product Categories/Family for anti-SERPINA1 antibody	Enzyme and Enzyme Inhibitor Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	151302818
UniProt Accession #	P01009; Q0PVP5; Q13672; Q53XB8; Q5U0M1; Q7M4R2; Q86U18; Q86U19; Q96BF9; Q96ES1; A6PX14; B2RDQ8
NCBI Official Full Name	alpha-1-antitrypsin
UniProt Protein Name	Alpha-1-antitrypsin
UniProt Gene Name	SERPINA1
UniProt Synonym Gene Names	AAT; PI
UniProt Entry Name	A1AT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-antibody/alpha-1-antitrypsin/47634>