

Mouse alpha 1 Antitrypsin Monoclonal Antibody | anti-SERPINA1 antibody

alpha 1 Antitrypsin antibody

CATALOG # AAA74597	HOST Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

alpha 1 Antitrypsin; Monoclonal Antibody; alpha 1 Antitrypsin antibody; Monoclonal alpha 1 Antitrypsin; Anti-alpha 1 Antitrypsin; -; A1-AT; A1AT; ; alpha-1 Antitrypsin; alpha 1; anti-SERPINA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M2103113
Specificity	Human serum alpha-1-antitrypsin
Purity/Purification	Protein G purification
Form/Format	Supplied as a liquid in PBS, pH 7.4
Sequence Length	418
Applicable Applications for anti-SERPINA1 antibody	ELISA
Biological Significance	Alpha 1-Antitrypsin or alpha1-antitrypsin (A1AT) is a protease inhibitor belonging to the serpin superfamily. It is generally known as serum trypsin inhibitor. Alpha 1-antitrypsin is also referred to as alpha-1 proteinase inhibitor (A1PI) because it inhibits a wide variety of proteases. It protects tissues from enzymes of inflammatory cells, especially neutrophil elastase, and has a reference range in blood of 1.5 - 3.5 gram/liter (in US the reference range is generally expressed as mg/dL or micromoles), but the concentration can rise manyfold upon acute inflammation.
Cross-Reactivity	Does not crossreact with alpha-1-antichymotrypsin
Immunogen	Alpha 1 antitrypsin antibody was raised in mouse using purified human serum alpha-1-antitrypsin as the immunogen.
Preparation and Storage	Aliquot and store at -70 degree C or lower. Avoid repeated freeze/thaw cycles

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Mouse monoclonal alpha 1 Antitrypsin antibody
Product Categories/Family for anti-SERPINA1 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	177831
NCBI GeneID	5265

UniProt Accession #	P01009; Q0PVP5; Q13672; Q53XB8; Q5U0M1; Q7M4R2; Q86U18; Q86U19; Q96BF9; Q96ES1; A6PX14; B2RDQ8
Molecular Weight	34,755 Da
NCBI Official Full Name	alpha-1-antitrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
NCBI Official Symbol	SERPINA1
NCBI Official Synonym Symbols	PI; A1A; AAT; PI1; A1AT; PRO2275; alpha1AT
NCBI Protein Information	alpha-1-antitrypsin
UniProt Protein Name	Alpha-1-antitrypsin
UniProt Gene Name	SERPINA1
UniProt Synonym Gene Names	AAT; PI; SPAAT
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://stage.aaabiotech.com/monoclonal/alpha-1-antitrypsin-antibody-clone-m2103113-elisa/74597>