

Alpha 1 Antitrypsin Monoclonal Antibody | anti-SERPINA1 antibody

MAb to Alpha 1-Antitrypsin

CATALOG # AAA57768	HOST Host: Mouse. Hybridization of P3X63-Ag8.653 myeloma cells with spleen cells from BALB/c mice.Source: Ascites
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PRODUCT SYNONYMS

Alpha 1 Antitrypsin; Monoclonal Antibody; MAb to Alpha 1-Antitrypsin; Monoclonal Antibody to Human Alpha-1 Antitrypsin (AAT); anti-SERPINA1 antibody

PRODUCT SPECIFICATIONS

Host	Host: Mouse. Hybridization of P3X63-Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Clonality	Monoclonal
Isotype	IgG2b
Specificity	Alpha 1 Antitrypsin Specific for Human Alpha-1-Antitrypsin. No cross reactivity with alpha1-acid glycoprotein, serum albumin or other serum proteins.
Purity/Purification	Protein A column chromatography
Form/Format	Purified, Liquid
Concentration	2.76mg/ml (OD280nm, E ¹ % = 14) (varies by lot)
Immunogen	Purified Human Alpha1-Antitrypsin
Affinity Constant	2 x 10 ⁹
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium azide
Important Note	Centrifuge before opening to ensure complete recovery of vial contents.
Warnings	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 - 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.
Preparation and Storage	Short-term (up to 6 months) store at 2 to 8 degree C. Long term, aliquot and store at -20 degree C. Avoid multiple freeze/thaw cycles.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SERPINA1 antibody	Monoclonal Antibodies to Proteins and Bioactive Peptides
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NCBI AND UNIPROT INFORMATION

NCBI GI #	177831
NCBI GeneID	5265
UniProt Accession #	P01009 ; Q0PVP5 ; Q13672 ; Q53XB8 ; Q5U0M1 ; Q7M4R2 ; Q86U18 ; Q86U19 ; Q96BF9 ; Q96ES1 ; A6PX14 ; B2RDQ8 ; Q13747 ; Q2L9S7 ; Q3I0J7 ; Q9P173

Molecular Weight	46,737 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; MGC9222; PRO2275; MGC23330; alpha1AT
NCBI Protein Information	alpha-1-antitrypsin; serpin A1; OTTHUMP00000197150; OTTHUMP00000197151; OTTHUMP00000197152; OTTHUMP00000197153; OTTHUMP00000197154; alpha-1-antiproteinase; alpha-1 protease inhibitor; protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin; serine (or cysteine) proteinase inhibitor, clade A, member 1
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://stage.aaabiotech.com/monoclonal/alpha-1-antitrypsin-antibody-elisa/57768>