

Mouse Alpha-1-antichymotrypsin Monoclonal Antibody | anti-SERPINA3 antibody

Alpha-1-Antichymotrypsin Monoclonal Antibody

CATALOG # AAA47631	HOST Mouse	APPLICATIONS IA (Immunoassay)
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PRODUCT SYNONYMS

Alpha-1-antichymotrypsin; Monoclonal Antibody; Alpha-1-Antichymotrypsin Monoclonal Antibody; Anti-Alpha-1-antichymotrypsin; Alpha-1- Anti-Chymotrypsin; anti-SERPINA3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1AC10-109.5
Specificity	These antibodies specifically recognize alpha-1-antichymotrypsin. They do not cross-react with alpha-1-antitrypsin.
Form/Format	Clear liquid; Protein G-purified antibody in PBS, pH 7.4
Concentration	0.8mg/ml (varies by lot)
Applicable Applications for anti-SERPINA3 antibody	IA (Immunoassay)
Antigen	Purified human serum alpha-1-antichymotrypsin.
Dilution Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	These antibodies are stable for at least 1 year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA3 antibody	Alpha 1-antichymotrypsin (?1AC) is an alpha globulin glycoprotein produced in the liver that is a member of the serpin superfamily. In humans, it is encoded by the SERPINA3 gene. ?1AC inhibits the activity of proteases such as cathepsin G from neutrophils and chymases from mast cells by cleaving them into different conformations. This activity protects tissues, such as the lower respiratory tract, from damage caused by proteolytic enzymes. ?1AC is an acute phase protein that is induced during inflammation. Deficiency of this protein has been associated with liver disease, and mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. It is also associated with the pathogenesis of Alzheimer's disease as it enhances the formation of amyloid-fibrils.
Product Categories/Family for anti-SERPINA3 antibody	Enzyme and Enzyme Inhibitor Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076.2

NCBI GenBank Nucleotide #	NM_001085.4
UniProt Accession #	P01011; Q13703; Q2TU87; Q2TU88; Q59GP9; Q6LBY8; Q6LDT7; Q6NSC9; Q8N177; Q96DW8; Q9UC47; B3KVQ7
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
NCBI Official Symbol	SERPINA3
NCBI Official Synonym Symbols	ACT; AACT; GIG24; GIG25; MGC88254
NCBI Protein Information	alpha-1-antichymotrypsin; serpin A3; OTTHUMP00000028439; growth-inhibiting protein 24; growth-inhibiting protein 25; cell growth-inhibiting gene 24/25 protein; serine (or cysteine) proteinase inhibitor, clade A, member 3
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT
UniProt Entry Name	AACT_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/monoclonal/alpha-1-antichymotrypsin-antibody-clone-1ac10-109-5-immunoassay-elisa/47631>