

Mouse anti-Human Alpha-2-Macroglobulin Monoclonal Antibody | anti-A2M antibody

Alpha-2-Macroglobulin Mouse Monoclonal Antibody [Clone A2M/3622]

CATALOG # AAA215694	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	----------------------	----------------------------	---

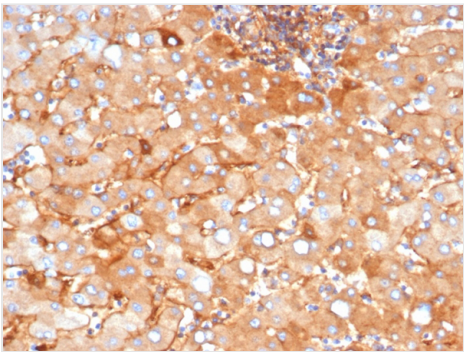
PRODUCT SYNONYMS

Alpha-2-Macroglobulin; Monoclonal Antibody; Alpha-2-Macroglobulin Mouse Monoclonal Antibody [Clone A2M/3622]; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5; Alpha-2-M (A2M); CPAMD5; anti-A2M antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	A2M/3622
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-A2M antibody	IHC (Immunohistochemistry)
Immunogen	Human recombinant A2M protein fragment (around aa 604-748) (exact sequence is proprietary)
Cellular Localization	Secreted in plasma
Positive Control	Human liver or placenta tissues.
Hu-chromosome Location	12p13.31
Unigene	212838
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human liver stained with Alpha-2-Macroglobulin Mouse Monoclonal Antibody (A2M/3622).

ADDITIONAL INFORMATION

Related Product Information for anti-A2M antibody	alpha-2-Macroglobulin (alpha-2M) is a homotetrameric serum protein consisting of four identical subunits that form dimers through disulfide bonds. Initially, alpha-2M was characterized as a pan-proteinase inhibitor that was able to bait proteinases into cleaving specific peptide sequences on alpha-2M. This interaction induces a conformational change in alpha-2M, thus enabling it to trap the proteinase and further inhibit its activity. Subsequently, alpha-2M has been shown to function as a carrier protein and regulator of cytokines during inflammation. Circulating transforming growth factor beta (TGFbeta) in serum is primarily bound to alpha-2M, which renders TGFbeta inactive. alpha-2M also binds to IL-6 and, thereby, increases the concentration of IL-6 near lymphocytes, hepatocytes and stem cells involved in mediating the inflammatory cascade. Mutations and deletions in the gene encoding alpha-2M are associated with an increased incidence of Alzheimer s disease (AD), which is consistent with the role of alpha-2M in mediating the clearance and degradation of A beta, the major component of beta-Amyloid deposits accumulated during AD.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932947
NCBI GeneID	2
NCBI Accession #	NP_000005.2
NCBI GenBank Nucleotide #	NM_000014.4
UniProt Accession #	P01023; Q13677; Q59F47; Q5QTS0; Q68DN2; Q6PIY3; Q6PN97
Molecular Weight	163,291 Da
NCBI Official Full Name	alpha-2-macroglobulin
NCBI Official Synonym Full Names	alpha-2-macroglobulin
NCBI Official Symbol	A2M
NCBI Official Synonym Symbols	A2MD; CPAMD5; FWP007; S863-7
NCBI Protein Information	alpha-2-macroglobulin; alpha-2-M; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5
UniProt Protein Name	Alpha-2-macroglobulin
UniProt Gene Name	A2M
UniProt Synonym Gene Names	CPAMD5; Alpha-2-M
UniProt Entry Name	A2MG_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-2-macroglobulin-antibody-clone-a2m-3622-immunohistochemistry-elisa/215694>