Alpha-2-Macroglobulin (a2M) Antibody – Guinea Pig Polyclonal

PRODUCT OVERVIEW

Product Name	Alpha-2-Macroglobulin (a2M), Polyclonal Antibody
Full Product Name	APC/Cy7 Linked Polyclonal Antibody to Alpha-2-Macroglobulin (a2M)
Product Gene Name	anti-a2M antibody
Clonality	Polyclonal
Host	Guinea Pig
Species Reactivity	Rabbit
Form/Format	Liquid
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a cavia polyclonal antibody raised against a2M. It has been selected for its ability to recognize a2M in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: a2M (MBS2026055) APC-CY7 Conjugated Antibody: a2M (MBS2108234)
3D Structure	ModBase 3D Structure for Q7SIH1
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	APC-Cy7
Cross Reactivity	Rabbit
Product Categories/Family for anti-a2M antibody	Tumor immunity; Infection immunity; Hematology
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-a2M antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-a2M antibody	MBS2108234 is an antibody targeting a2M. Also known as APC/Cy7 Linked Polyclonal Antibody to Alpha-2-Macroglobulin (a2M). Reactive in Rabbit. Host: Guinea Pig.
Other Notes	Small volumes of anti-a2M antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for a2M. It may not necessarily be applicable to this product.

NCBI GI #	157954061
NCBI GeneID	513856
NCBI Accession #	NP_001103265.1
UniProt Primary Accession #	Q7SIH1
UniProt Related Accession #	Q7SIH1
GenBank Nucleotide #	NM_001109795.1
NCBI Official Full Name	alpha-2-macroglobulin
NCBI Official Synonym Full Names	alpha-2-macroglobulin
NCBI Official Symbol	A2M
UniProt Protein Name	Alpha-2-macroglobulin
Protein Family	Alpha-2-macroglobulin
UniProt Gene Name	A2M
UniProt Synonym Gene Names	Alpha-2-M
UniProt Entry Name	A2MG_BOVIN
NCBI Protein Information	alpha-2-macroglobulin
UniProt Comments for a2M	Mug2: Cellular Component: extracellular space Molecular Function: serine-type endopeptidase inhibitor activity; endopeptidase inhibitor activity
Research Articles on a2M	**1.** Mutations in the promoter region and the 3'-untranslated region of the A2M gene are involved in the mastitis susceptibility in dairy cows.
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