TTR Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TTR, Monoclonal Antibody
Full Product Name	TTR Mouse Monoclonal Antibody (3G7)
Product Gene Name	anti-TTR antibody
Product Synonym Names	Transthyretin; ATTR; Prealbumin; TBPA; TTR; PALB
Clonality	Monoclonal
Host	Mouse
Species Reactivity	Human
Purity/Purification	Affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	16
OMIM	105210
3D Structure	ModBase 3D Structure for P02766
Immunogen	Recombinant Protein of TTR
Storage Buffer	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TTR antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin
Application Notes for anti-TTR antibody	WB: 1:500-2000 IHC-p: 1:50-300
Related Product Information for anti-TTR antibody	MBS8528872 is an antibody targeting TTR. Also known as TTR Mouse Monoclonal Antibody (3G7). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-TTR 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 TTR. It may not necessarily be applicable to this product.

NCBI GI #	4507725
NCBI GeneID	7276
NCBI Accession #	NP_000362.1
UniProt Primary Accession #	P02766
UniProt Secondary Accession #	Q549C7; Q6IB96; Q9UBZ6; Q9UCM9
UniProt Related Accession #	P02766
GenBank Nucleotide #	NM_000371.3

NCBI Official Full Name	transthyretin
NCBI Official Synonym Full Names	transthyretin
NCBI Official Symbol	TTR
NCBI Official Synonym Symbols	CTS; ATTR; CTS1; PALB; TBPA; HEL111; HsT2651
UniProt Protein Name	Transthyretin
UniProt Synonym Protein Names	ATTR; Prealbumin; TBPA
Protein Family	Acetyltransferase
UniProt Gene Name	TTR
UniProt Synonym Gene Names	PALB
NCBI Protein Information	transthyretin
NCBI Summary for TTR	This gene encodes one of the three prealbumins, which include alpha-1-antitrypsin, transthyretin and orosomucoid. The encoded protein, transthyretin, is a homo-tetrameric carrier protein, which transports thyroid hormones in the plasma and cerebrospinal fluid. It is also involved in the transport of retinol (vitamin A) in the plasma by associating with retinol-binding protein. The protein may also be involved in other intracellular processes including proteolysis, nerve regeneration, autophagy and glucose homeostasis. Mutations in this gene are associated with amyloid deposition, predominantly affecting peripheral nerves or the heart, while a small percentage of the gene mutations are non-amyloidogenic. The mutations are implicated in the etiology of several diseases, including amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis and carpal tunnel syndrome. [provided by RefSeq, Aug 2017]
UniProt Comments for TTR	Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain.
Research Articles on TTR	**1.** could potentially downregulate the TTR promoter activity; c.200+4A>G might influence the constitutive splicing of TTR mRNA
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/ttr/8528872