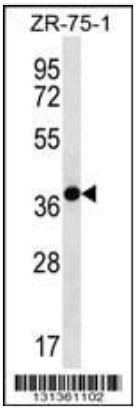
TNMD Antibody – Rabbit Polyclonal

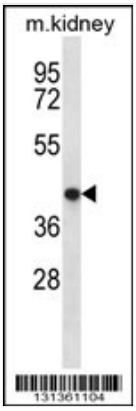
PRODUCT OVERVIEW

Product Name	TNMD, Polyclonal Antibody
Full Product Name	TNMD, ID (TNMD, CHM1L, Tenomodulin, Chondromodulin-1-like protein, Chondromodulin-I-like protein, Myodulin, Tendin) (Biotin)
Product Gene Name	anti-TNMD antibody
Product Synonym Names	TNMD; CHM1L; Tenomodulin; Chondromodulin-1-like protein; Chondromodulin-I-like protein; Myodulin; Tendin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	30,013 Da
OMIM	AB055421 mRNA
3D Structure	ModBase 3D Structure for Q9H2S6
Immunogen	TNMD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-249 amino acids from the Central region of human TNMD.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TNMD antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-TNMD antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TNMD antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TNMD antibody	This gene encodes a protein that is related to chondromodulin-I, which is a cartilage-specific glycoprotein that functions to stimulate chondrocyte growth and to inhibit tube formation of endothelial cells. This protein is also an angiogenesis inhibitor. Genetic variation in this gene is associated with a risk for type 2 diabetes, central obesity and serum levels of systemic immune mediators in a body size-dependent manner. This gene is also a candidate gene for age-related macular degeneration, though a direct link has yet to be demonstrated.
Product References and Citations for anti-TNMD antibody	Saiki, A., et al. J. Clin. Endocrinol. Metab. 94(10):3987-3994(2009). Tolppanen, A.M., et al. Neurobiol. Aging (2009). In press: Tolppanen, A.M., et al. Mol. Vis. 15, 762-770 (2009): Tolppanen, A.M., et al. Int J Obes (Lond) 32(12):1868-1872(2008). Kimura, N., et al. Circulation 118(17):1737-1747(2008).

Other Notes	Small volumes of anti-TNMD 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.
Searchable Terms for TNMD purchase	MBS6357188 is an antibody targeting TNMD. Also known as TNMD, ID (TNMD, CHM1L, Tenomodulin, Chondromodulin-1-like protein, Chondromodulin-I-like protein, Myodulin, Tendin) (Biotin). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-TNMD antibody
TNMD Antibody (Center) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the TNMD antibody detected the TNMD protein (arrow).



Western Blot (WB) of anti-TNMD antibody
TNMD Antibody (Center) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the TNMD antibody detected the TNMD protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	156627559
NCBI GeneID	64102
NCBI Accession #	NP_071427.2
UniProt Primary Accession #	Q9H2S6
UniProt Secondary Accession #	Q9HBX0; Q9UJG0
UniProt Related Accession #	Q9H2S6
GenBank Nucleotide #	NM_022144.2
NCBI Official Full Name	tenomodulin
NCBI Official Synonym Full Names	tenomodulin
NCBI Official Symbol	TNMD
NCBI Official Synonym Symbols	TEM; CHM1L; BRICD4
UniProt Protein Name	Tenomodulin
UniProt Synonym Protein Names	Chondromodulin-1-like protein; ChM1L; hChM1L; Chondromodulin-I-like protein; Myodulin; Tendin
Protein Family	Tenomodulin
UniProt Gene Name	TNMD
UniProt Synonym Gene Names	CHM1L; TeM; hTeM; ChM1L; hChM1L
NCBI Protein Information	tenomodulin
UniProt Comments for TNMD	May be an angiogenesis inhibitor.
Research Articles on TNMD	**1.** TNMD is upregulated in adipose tissue of insulin-resistant versus insulin-sensitive individuals. TNMD expression increases in human preadipocytes during differentiation, whereas silencing TNMD blocks adipogenesis.

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/polyclonal-human-mouse-antibody/tnmd/6357188