

Rat Tenomodulin (TNMD) ELISA Kit | TNMD elisa kit

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CATALOG #
AAA330195

REACTIVITY
Rat

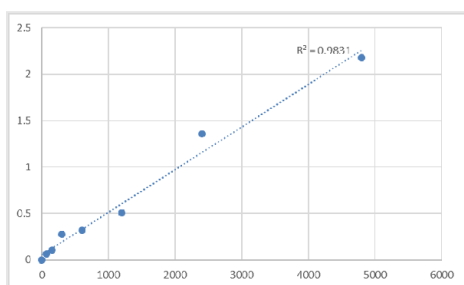
PRODUCT SYNONYMS

Tenomodulin (TNMD); Rat Tenomodulin (TNMD) ELISA Kit; TNMD; BRICD4; CHM1L; TEM; BRICHOS domain containing 4; CHM1-like; chondromodulin I-like; chondromodulin-IB; myodulin; tendin; TNMD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Tenomodulin (TNMD) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TNMD. No significant cross-reactivity or interference between Rat TNMD and analogues was observed.
Sequence Length	317
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Tenomodulin (TNMD) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNMD elisa kit	Description: This Rat Tenomodulin (TNMD) ELISA Kit employs a two-site sandwich ELISA to quantitate TNMD in samples. An antibody specific for TNMD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNMD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNMD is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNMD bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By searching an EST database for sequences similar to mouse Tem, followed by RACE of a human fetus cDNA library, Shukunami et al. (2001) cloned TEM. The deduced 317-amino acid protein contains an N-terminal transmembrane domain and a putative antiangiogenic domain with 8 cysteines. TEM shares 96% amino acid identity with mouse Tem, and it shares 65% identity in a 65-amino acid C-terminal stretch with chondromodulin I (ChM1). Northern blot analysis of several mouse tissues detected a 1.4-kb transcript expressed specifically in skeletal muscle. In situ hybridization revealed mouse Tem expression in dense connective tissue, such as epimysium and tendon.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11560123
NCBI GeneID	64104
NCBI Accession #	NP_071626.1
NCBI GenBank Nucleotide #	NP_071626.1
UniProt Accession #	Q9ESC2
NCBI Official Full Name	tenomodulin
NCBI Official Synonym Full Names	tenomodulin
NCBI Official Symbol	Tnmd
NCBI Official Synonym Symbols	ChM1L
NCBI Protein Information	tenomodulin
UniProt Protein Name	Tenomodulin
UniProt Gene Name	Tnmd
UniProt Synonym Gene Names	Chm1l; TeM; rTeM; ChM1L; rChM1L
UniProt Entry Name	TNMD_RAT

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.