

Human Tenomodulin (TNMD) ELISA Kit | TNMD elisa kit

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CATALOG #
AAA330413

REACTIVITY
Human

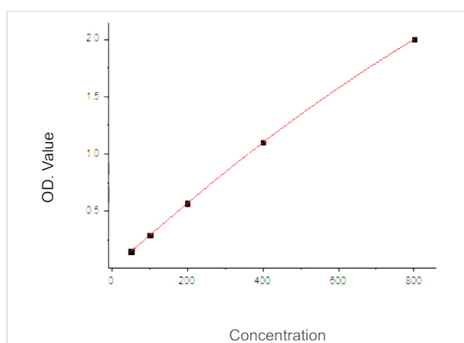
PRODUCT SYNONYMS

Tenomodulin (TNMD); Human 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	Human
Specificity	Human Tenomodulin (TNMD) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNMD. No significant cross-reactivity or interference between Human TNMD and analogues was observed.
Sequence Length	317
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	50 pg/ml - 800 pg/ml
Sensitivity	< 5pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNMD elisa kit	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. Principle of the Assay: Human 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, HRP-Conjugated Human TNMD detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156627559
NCBI GeneID	64102
NCBI Accession #	NP_071427.2
NCBI GenBank Nucleotide #	NP_071427.2
UniProt Accession #	Q9H2S6
NCBI Official Full Name	tenomodulin
NCBI Official Synonym Full Names	tenomodulin
NCBI Official Symbol	TNMD
NCBI Official Synonym Symbols	TEM; CHM1L; BRICD4
NCBI Protein Information	tenomodulin
UniProt Protein Name	Tenomodulin
UniProt Gene Name	TNMD
UniProt Synonym Gene Names	CHM1L; TeM; hTeM; ChM1L; hChM1L

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tenomodulin-tnmd/330413>