

Bovine Tropomyosin beta chain (TPM2) ELISA Kit | TPM2 elisa kit

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CATALOG #
AAA244612

REACTIVITY
Bovine

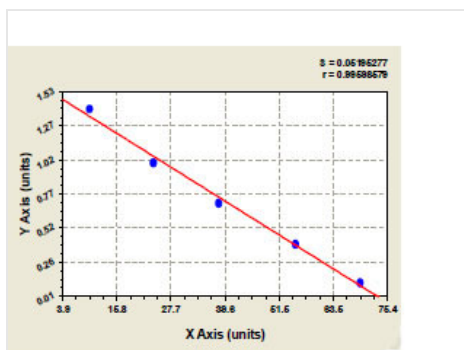
PRODUCT SYNONYMS

Tropomyosin beta chain (TPM2); Bovine Tropomyosin beta chain (TPM2) ELISA Kit; TPM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TPM2 elisa kit

Intended Uses: This TPM2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine TPM2. This ELISA kit for research use only!

Principle of the Assay: TPM2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-TPM2 antibody and an TPM2-HRP conjugate. The assay sample and buffer are incubated together with TPM2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TPM2 concentration since TPM2 from samples and TPM2-HRP conjugate compete for the anti-TPM2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TPM2 from the sample, fewer sites are left to bind TPM2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPM2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TPM2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47519616
NCBI GeneID	7169
NCBI Accession #	NP_998839.1
NCBI GenBank Nucleotide #	NM_213674.1
Molecular Weight	28,684 Da
NCBI Official Full Name	tropomyosin beta chain isoform Tpm2.1sm/cy
NCBI Official Synonym Full Names	tropomyosin 2 (beta)
NCBI Official Symbol	TPM2
NCBI Official Synonym Symbols	DA1; DA2B; NEM4; TMSB; AMCD1; HEL-S-273
NCBI Protein Information	tropomyosin beta chain; nemaline myopathy type 4; epididymis secretory protein Li 273
UniProt Protein Name	Tropomyosin beta chain
UniProt Gene Name	TPM2
UniProt Synonym Gene Names	TMSB
UniProt Entry Name	TPM2_HUMAN

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/bovine-ovine-elisa-kits/tropomyosin-beta-chain-tpm2/244612>