

Mouse Lamina-Associated Polypeptide 2, Isoform alpha (TMPO) ELISA Kit | LAP2 elisa kit

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CATALOG #
AAA332165

REACTIVITY
Mouse

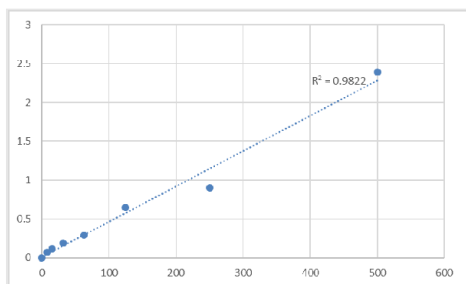
PRODUCT SYNONYMS

Lamina-Associated Polypeptide 2; Isoform alpha (TMPO); Mouse Lamina-Associated Polypeptide 2; Isoform alpha (TMPO) ELISA Kit; TMPO; CMD1T; LEMD4; MGC61508; PRO0868; TP; LEM domain containing 4; lamina-associated polypeptide 2; LAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Lamina-associated polypeptide 2, isoform alpha (TMPO) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMPO. No significant cross-reactivity or interference between Mouse TMPO and analogues was observed.
Sequence Length	693
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. Mouse Lamina-associated polypeptide 2, isoform alpha (TMPO) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LAP2 elisa kit	Description: This Mouse Lamina-associated polypeptide 2, isoform alpha (TMPO) ELISA Kit employs a two-site sandwich ELISA to quantitate TMPO in samples. An antibody specific for TMPO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMPO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMPO 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 TMPO bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Thymopoietin is a protein involved in the induction of CD90 in the thymus. The thymopoetin (TMPO) gene encodes three alternatively spliced mRNAs encoding proteins of 75 kDa (alpha), 51 kDa (beta) and 39 kDa (gamma) which are ubiquitously expressed in all cells. The human TMPO gene maps to chromosome band 12q22 and consists of eight exons. TMPO alpha is present diffusely expressed with the cell nucleus while TMPO beta and gamma are localized to the nuclear membrane. TMPO beta is a human homolog of the murine protein LAP2 (lamina-associated polypeptide 2). LAP2 plays a role in the regulation of nuclear architecture by binding lamin B1 and chromosomes. This interaction is regulated by phosphorylation during mitosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121949760
NCBI GeneID	21917
NCBI Accession #	NP_035735.2
NCBI GenBank Nucleotide #	NP_035735.2
UniProt Accession #	Q61033; Q61029
NCBI Official Full Name	lamina-associated polypeptide 2 isoform alpha
NCBI Official Synonym Full Names	thymopoietin
NCBI Official Symbol	Tmpo
NCBI Official Synonym Symbols	TP; LAP2; AI195756; AI606875; AW214352; AW547477; 5630400D24Rik
NCBI Protein Information	lamina-associated polypeptide 2
UniProt Protein Name	Lamina-associated polypeptide 2, isoforms alpha/zeta
UniProt Gene Name	Tmpo
UniProt Synonym Gene Names	Lap2; TP alpha/zeta
UniProt Entry Name	LAP2A_MOUSE

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/lap2-mouse-elisa-kits/lamina-associated-polypeptide-2-isoform-alpha-tmpo/332165>