

Mouse Tolloid-Like Protein 1 (TLL1) ELISA Kit | TLL1 elisa kit

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CATALOG #
AAA332227

REACTIVITY
Mouse

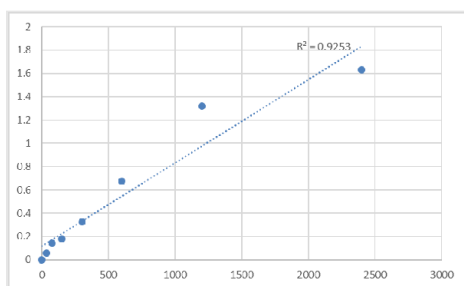
PRODUCT SYNONYMS

Tolloid-Like Protein 1 (TLL1); Mouse Tolloid-Like Protein 1 (TLL1) ELISA Kit; TLL1; ASD6; TLL; TLL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Tolloid-like protein 1 (TLL1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TLL1. No significant cross-reactivity or interference between Mouse TLL1 and analogues was observed.
Sequence Length	1013
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 Tolloid-like protein 1 (TLL1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TLL1 elisa kit	Description: This Mouse Tolloid-like protein 1 (TLL1) ELISA Kit employs a two-site sandwich ELISA to quantitate TLL1 in samples. An antibody specific for TLL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TLL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLL1 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 TLL1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TLL1 encodes an astacin-like zinc-dependent metalloprotease and is a subfamily member of the metzincin family. A similar protein in mice is required during heart development and specifically processes procollagen C-propeptides and chordin at similar cleavage sites. As previously demonstrated for BMP1 and TLD, TLL1 specifically processes procollagen C-propeptides at the physiologically relevant site, whereas TLL2 lacks this activity. BMP1 and TLL1 cleave chordin, at sites similar to procollagen C-propeptide cleavage sites, and counteract dorsalizing effects of chordin upon overexpression on Xenopus embryos. Proteases TLD and TLL2 do not cleave chordin.TLL1 gene plays multiple roles in formation of the mammalian heart and is essential for formation of the interventricular septum.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117414180
NCBI GeneID	21892
NCBI Accession #	NP_033416.2
NCBI GenBank Nucleotide #	NP_033416.2
UniProt Accession #	Q62381
NCBI Official Full Name	tolloid-like protein 1
NCBI Official Synonym Full Names	tolloid-like
NCBI Official Symbol	Tll1
NCBI Official Synonym Symbols	Tll; Tll-1; b2b2476Clo
NCBI Protein Information	tolloid-like protein 1
UniProt Protein Name	Tolloid-like protein 1
UniProt Gene Name	Tll1
UniProt Synonym Gene Names	Tll; mTll
UniProt Entry Name	TLL1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/tolloid-like-protein-1-tll1/332227>