Tolloid Like Protein 1 (TLL1) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Tolloid Like Protein 1 (TLL1), ELISA Kit
Full Product Name	Mouse Tolloid Like Protein 1 ELISA Kit
Product Gene Name	TLL1 elisa kit
Species Reactivity	Mouse
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	114,709 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (166794410..167025609). Location: 4q32-q33
OMIM	606742
3D Structure	ModBase 3D Structure for O43897
Related Product Information for TLL1 elisa kit	MBS004975 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Tolloid Like Protein 1 (TLL1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TLL1. The ELISA analytical biochemical technique of the MBS004975 kit is based on TLL1 antibody-TLL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TLL1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TLL1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of TLL1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLL1. It may not necessarily be applicable to this product.

NCBI GI #	22547221
NCBI GeneID	7092
NCBI Accession #	NP_036596.3
UniProt Primary Accession #	O43897
UniProt Secondary Accession #	Q96AN3; Q9NQS4; B2RMU2
UniProt Related Accession #	O43897
GenBank Nucleotide #	NM_012464.4
NCBI Official Full Name	tolloid-like protein 1 isoform 1
NCBI Official Synonym Full Names	tolloid-like 1
NCBI Official Symbol	TLL1
NCBI Official Synonym Symbols	TLL; ASD6
UniProt Protein Name	Tolloid-like protein 1

Protein Family	Dorsal-ventral patterning tolloid-like protein
UniProt Gene Name	TLL1
UniProt Synonym Gene Names	TLL
UniProt Entry Name	TLL1_HUMAN
NCBI Protein Information	tolloid-like protein 1
NCBI Summary for TLL1	This gene encodes an astacin-like, zinc-dependent, metalloprotease that belongs to the peptidase M12A family. This protease processes procollagen C-propeptides, such as chordin, pro-biglycan and pro-lysyl oxidase. Studies in mice suggest that this gene plays multiple roles in the development of mammalian heart, and is essential for the formation of the interventricular septum. Allelic variants of this gene are associated with atrial septal defect type 6. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]
UniProt Comments for TLL1	TLL1: Protease which processes procollagen C-propeptides, such as chordin, pro-biglycan and pro-lysyl oxidase. Required for the embryonic development. Predominant protease, which in the development, influences dorsal-ventral patterning and skeletogenesis. Defects in TLL1 are the cause of atrial septal defect type 6 (ASD6). A congenital heart malformation characterized by incomplete closure of the wall between the atria resulting in blood flow from the left to the right atria. Belongs to the peptidase M12A family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Protease; Secreted; EC 3.4.24.- Chromosomal Location of Human Ortholog: 4q32-q33 Cellular Component: extracellular region Molecular Function: collagen binding; zinc ion binding; metalloendopeptidase activity; calcium ion binding Biological Process: extracellular matrix disassembly; extracellular matrix organization and biogenesis; cell differentiation; proteolysis; skeletal development Disease: Atrial Septal Defect 6
Research Articles on TLL1	**1.** TLL-1 gene mutation with an insertion mutation of base A in exon 10 is common in Chinese patients with sporadic congenital heart diseases.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/tll1-mouse-elisa-kits/tolloid-like-protein-1/4975