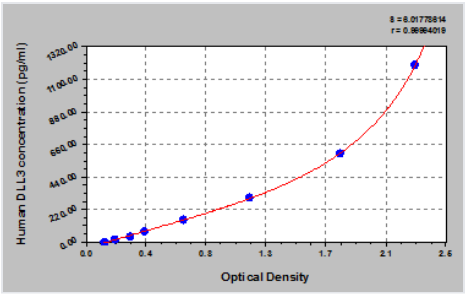
Delta-Like 3 (Drosophila) (DLL3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	delta-like 3 (Drosophila) (DLL3), ELISA Kit
Full Product Name	Human Delta-like protein 3, DLL3 ELISA Kit
Product Gene Name	DLL3 elisa kit
Product Synonym Names	Human Delta-like protein 3 (DLL3) ELISA kit; SCDO1; delta-like 3 protein; delta-like 3 (Drosophila)
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	18.75 pg/ml-1200 pg/ml
Sensitivity	< 4.68 pg/ml
Specificity	This assay has high sensitivity and excellent specificity for detection of human DLL3. No significant cross-reactivity or interference between human DLL3 and analogues was observed.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Molecular Weight	64,618 Da
OMIM	602768
3D Structure	ModBase 3D Structure for Q9NYJ7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DLL3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for DLL3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DLL3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLL3 is added to the wells. After washing, avidin 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 DLL3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of DLL3 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.
Searchable Terms for DLL3 purchase	MBS947181 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the delta-like 3 (Drosophila) (DLL3) 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 DLL3. The ELISA analytical biochemical technique of the MBS947181 kit is based on DLL3 antibody-DLL3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DLL3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DLL3. 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(%).



Typical Testing Data/Standard Curve (for reference only) of DLL3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLL3. It may not necessarily be applicable to this product.

NCBI GI #	8393264
NCBI GeneID	10683
NCBI Accession #	NP_058637.1
UniProt Primary Accession #	Q9NYJ7
UniProt Secondary Accession #	Q8NBS4; E9PFG2
UniProt Related Accession #	Q9NYJ7
GenBank Nucleotide #	NM_016941.3
NCBI Official Full Name	delta-like protein 3 isoform 1
NCBI Official Synonym Full Names	delta-like 3 (Drosophila)
NCBI Official Symbol	DLL3
NCBI Official Synonym Symbols	SCDO1
UniProt Protein Name	Delta-like protein 3
UniProt Synonym Protein Names	Drosophila Delta homolog 3; Delta3
Protein Family	Delta-like protein
UniProt Gene Name	DLL3
UniProt Synonym Gene Names	Delta3
UniProt Entry Name	DLL3_HUMAN
NCBI Protein Information	delta-like protein 3; delta3; drosophila Delta homolog 3
NCBI Summary for DLL3	This gene encodes a member of the delta protein ligand family. This family functions as Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain. Mutations in this gene cause autosomal recessive spondylocostal dysostosis 1. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for DLL3	DLL3: Inhibits primary neurogenesis. May be required to divert neurons along a specific differentiation pathway. Plays a role in the formation of somite boundaries during segmentation of the paraxial mesoderm. Can bind and activate Notch-1 or another Notch receptor. Protein type: Membrane protein, integral; Cell development/differentiation Chromosomal Location of Human Ortholog: 19q13 Cellular Component: integral to membrane Molecular Function: Notch binding Biological Process: compartment specification; paraxial mesoderm development; Notch signaling pathway; somitogenesis; skeletal development; negative regulation of neurogenesis Disease: Spondylocostal Dysostosis 1, Autosomal Recessive
Research Articles on DLL3	**1.** DLL3 was silenced by methylation in human human hepatocellular carcinoma and it negatively regulates the growth of human hepatocellular carcinoma cells.
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.
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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.

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