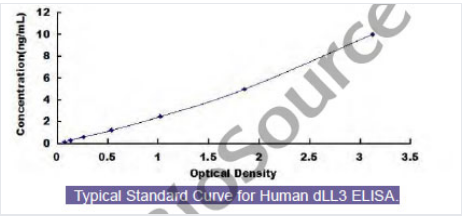
Delta Like Protein 3 (dLL3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Delta Like Protein 3 (dLL3), ELISA Kit
Full Product Name	Human Delta Like Protein 3 (dLL3) ELISA Kit
Product Gene Name	dLL3 elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.069ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of dLL3. No significant cross-reactivity or interference between dLL3 and analogues was observed.
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level dLL3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level dLL3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Molecular Weight	61,178 Da
3D Structure	ModBase 3D Structure for Q9NYJ7
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for dLL3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of dLL3 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to dLL3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to dLL3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain dLL3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of dLL3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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	MBS456188 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Delta Like Protein 3 (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 MBS456188 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 canonical Notch ligand 3
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
NCBI Protein Information	delta-like protein 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	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 ().
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.
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