

## Mouse Delta-like protein 1 (DLL1) ELISA Kit

Catalog No: #EK10596



Package Size: #EK10596-1 48T #EK10596-2 96T

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Mouse Delta-like protein 1 (DLL1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DELTA1; DL1; Delta; delta-like 1 delta-like 1 protein
Accession No.	Q61483
Uniprot	Q61483
GeneID	13388;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DLL1 in samples. An antibody specific for DLL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDLL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLL1 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 DLL1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:DLL1 is a human homolog of the Notch Delta ligand and is a member of the delta/serrate/jagged family. It plays a role in mediating cell fate decisions during hematopoiesis. It may play a role in cell-to-cell communication.

Sequence analysis predicted that the 723-amino acid DLL1 transmembrane protein, which is 88% identical to the mouse Dll1 protein, has a DSL domain followed by 8 tandem EGF-like repeats and a short cytoplasmic C-terminal region. Northern blot analysis revealed strongest expression of 4.0- and 4.6-kb transcripts in heart and pancreas, with lower expression in brain and muscle and almost no expression in placenta, lung, liver, and kidney. In situ hybridization analysis indicated upregulated expression of DLL1 in squamous cell carcinoma and in situ and invasive adenocarcinoma.

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Note: This product is for in vitro research use only