

Mouse DLL4 ELISA Kit | DLL4 elisa kit

Mouse DLL4 PicoKine ELISA Kit

CATALOG #
AAA45872

REACTIVITY
Mouse

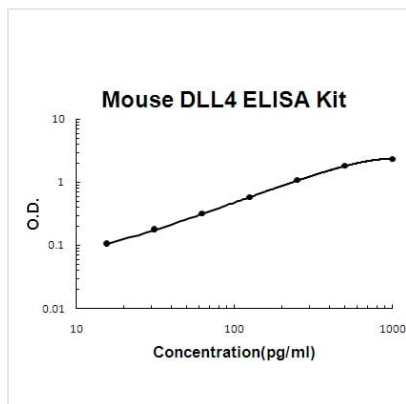
PRODUCT SYNONYMS

DLL4; Mouse DLL4 PicoKine ELISA Kit; Delta-like protein 4; delta-like 4 (Drosophila); Delta 4; delta 4 precursor; Delta ligand 4; delta ligand 4 precursor; Delta like 4; Delta like 4 homolog; Delta like 4 protein; Delta like protein 4; Delta-like 4 (Drosophila); Delta4; DLL 4; DLL4_HUMAN; Drosophila Delta homolog 4; hdelta2; Homeobox protein DLL-4; MGC126344; Notch ligand delta 2; Notch ligand DLL4; notch ligand DLL4 precursor; XDLL-4; DLL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse DLL4
Sequence Length	686
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse DLL4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DLL4 elisa kit	Principle of the assay: mouse DLL4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for DLL4 has been precoated onto 96-well plates. Standards(NSO, S28-P525) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for DLL4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse DLL4 amount of sample captured in plate. Background: Delta like ligand 4 is a protein that in humans is encoded by the DLL4 gene. It is mapped to 15q15.1. This gene is a homolog of the Drosophila delta gene. DLL4 is a transmembrane ligand for Notch receptors that shows restricted expression to endothelial cells (ECs), in particular to arteries and capillaries, and is involved in vascular development, and it also appeared to be a major trigger of Notch receptor activities previously implicated in arterial and vascular development. Mouse DLL4 could activate mouse Notch1 and mouse Notch4. DLL4 acts as a negative regulator of tumor angiogenesis, its blockade results in the striking uncoupling of tumor growth from vessel density, presenting a novel therapeutic approach even for tumors resistant to anti-VEGF therapies. In addition to it, this gene also plays an important role in promoting Th17 effector activity during mycobacterial challenge.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940447
NCBI GeneID	54485
UniProt Accession #	Q9J171; Q9DBU9; Q9JHZ7
Molecular Weight	74,991 Da
NCBI Official Full Name	Delta-like protein 4
NCBI Official Synonym Full Names	delta-like 4 (Drosophila)
NCBI Official Symbol	Dll4
NCBI Official Synonym Symbols	Delta4
NCBI Protein Information	delta-like protein 4; drosophila Delta homolog 4
UniProt Protein Name	Delta-like protein 4
UniProt Gene Name	Dll4
UniProt Synonym Gene Names	Delta4
UniProt Entry Name	DLL4_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.