

Rat DLL4 ELISA Kit | DLL4 elisa kit

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CATALOG #
AAA263160

REACTIVITY
Rat

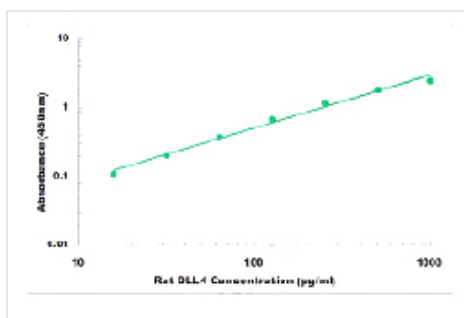
PRODUCT SYNONYMS

DLL4; Rat DLL4 ELISA Kit; Delta-like protein 4; Drosophila Delta homolog 4; Delta4; DLL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat DLL4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat DLL4 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	686
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DLL4 elisa kit	Principle of the Assay: The Rat DLL4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat DLL4 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat DLL4 coated on a 96-well plate. Standards and samples are pipetted into the wells and DLL4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat DLL4 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of DLL4 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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. 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 #	564342382
NCBI GeneID	311332
NCBI Accession #	XP_006234827.1
NCBI GenBank Nucleotide #	XM_006234765.2
UniProt Accession #	D3ZHH1
Molecular Weight	74,961 Da
NCBI Official Full Name	delta-like protein 4 isoform X1
NCBI Official Synonym Full Names	delta like canonical Notch ligand 4
NCBI Official Symbol	DLL4
NCBI Protein Information	delta-like protein 4
UniProt Protein Name	Delta-like protein 4
UniProt Gene Name	DLL4
UniProt Synonym Gene Names	Delta4Curated
UniProt Entry Name	DLL4_RAT

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.