

Rat DLL4 ELISA Kit | DLL4 elisa kit

Rat DLL4 PicoKine ELISA Kit

CATALOG #
AAA46794

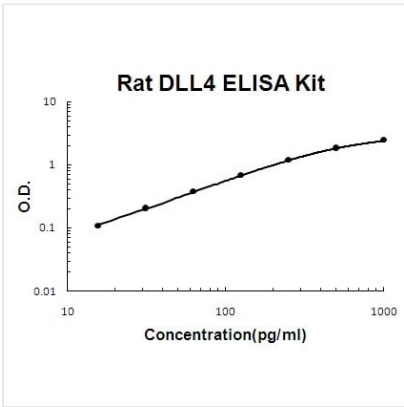
REACTIVITY
Rat

PRODUCT SYNONYMS

DLL4; Rat DLL4 PicoKine ELISA Kit; Delta 4; Delta4; Delta ligand 4; Delta like 4; DLL 4; hdelta2; Homeobox protein DLL-4; Notch ligand delta 2; Notch ligand DLL4; XDLL-4; Q9NR61; delta-like 4 (Drosophila); DLL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat DLL4
Sequence Length	686
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	25-30
Immunogen	NSO, S28-E519
Sample Data	Concentration(pg/ml): 0 15.6 31.2 62.5 125 250 500 1000 O.D.: 0.008 0.108 0.203 0.377 0.672 1.188 1.840 2.443
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml): 48.9 157 524 50.2 189 601 Standard Deviation: 2.30 8.01 30.39 2.66 11.15 40.27 CV(%): 4.7 5.1 5.8 5.3 5.9 6.7
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml rat DLL4 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each rat DLL4 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat DLL4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DLL4 elisa kit	For quantitative detection of rat DLL4 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). 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. Principle: Rat DLL4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for DLL4 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: S28-E519) 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 subRate 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 Rat DLL4 amount of sample captured in plate.
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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

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/dll4/46794>