

Rat DLL1 ELISA Kit | DLL1 elisa kit

Rat DLL1 ELISA Kit PicoKine

CATALOG # AAA126682	REACTIVITY Rat	APPLICATIONS ELISA
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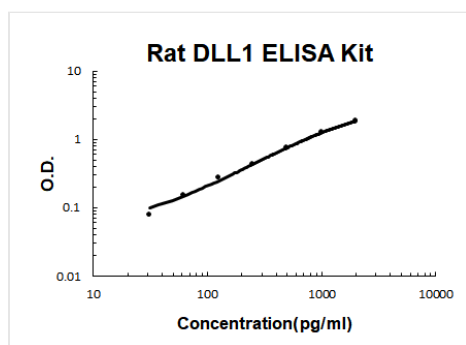
PRODUCT SYNONYMS

DLL1; Rat DLL1 ELISA Kit PicoKine; Dll1; Delta-like protein 1; Drosophila Delta homolog 1; Delta1 [Cleaved into: Dll1-soluble form; Dll1-EC; Shed form; Dll1-derived cell-associated form; Dll1-TM1C; Membrane-associated fragment; Dll1-intracellular form; Dll1-IC]; delta like canonical Notch ligand 1; DLL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Dll1
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for DLL1 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Rat DLL1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DLL1 elisa kit	Background: DLL1(DELTA-LIKE 1), also known as DL1 or DELTA1, is a protein that in humans is encoded by the DLL1 gene. 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, and it is also important in cell-to-cell communication. This gene is mapped to chromosome 6q27, near a locus for type I diabetes. Functional analysis suggested that a soluble fusion protein containing the DSL domain of DLL1 and its adjacent 50 N-terminal amino acids increased the viability of hemopoietic cells but inhibited cell death. It has been found that DLL1 blocks the differentiation of progenitor cells into the B-cell lineage while promoting the emergence of a population of cells with the characteristics of a T-cell/NK-cell precursor. Principle of the Assay: The Picokine™ Rat Dll1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Rat Dll1 with a 96-well strip plate that is pre-coated with antibody specific for Dll1. The detection antibody is a biotinylated antibody specific for Dll1. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Rat Dll1 protein as standards. To measure Rat Dll1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Rat Dll1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Dll1 in the sample.
Product Categories/Family for DLL1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	14091746
NCBI GeneID	84010
NCBI Accession #	NP_114452.1
NCBI GenBank Nucleotide #	NM_032063.2
UniProt Accession #	P97677
Molecular Weight	77,379 Da
NCBI Official Full Name	delta-like protein 1
NCBI Official Synonym Full Names	delta-like 1 (Drosophila)
NCBI Official Symbol	Dll1
NCBI Protein Information	delta-like protein 1; delta1; drosophila Delta homolog 1
UniProt Protein Name	Delta-like protein 1
UniProt Gene Name	Dll1
UniProt Synonym Gene Names	Delta1
UniProt Entry Name	DLL1_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.