

ARG82357 Rat DLL4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82357-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82357-002	Standard	2 X 10 ng/vial	4°C
ARG82357-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82357-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82357-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82357-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82357-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82357-008	25X Wash buffer	20 ml	4°C
ARG82357-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82357-010	STOP solution	10 ml (Ready to use)	4°C
ARG82357-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82357 Rat DLL4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat DLL4 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	DLL4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 5.8%

Alternate Names Drosophila Delta homolog 4; hdelta2; Delta4; Delta-like protein 4

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol DLL4

Gene Full Name delta-like 4 (Drosophila)

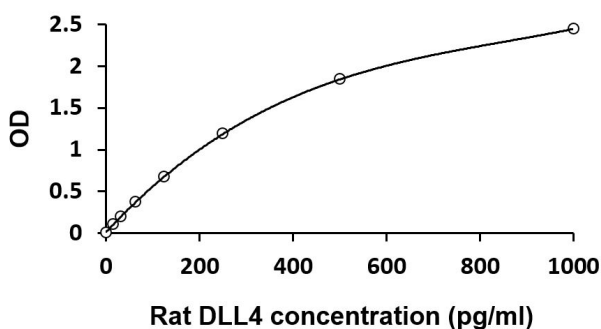
Background This gene is a homolog of the Drosophila delta gene. The delta gene family encodes Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain. [provided by RefSeq, Jul 2008]

Function Involved in the Notch signaling pathway as Notch ligand. Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Essential for retinal progenitor proliferation is required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types. During spinal cord neurogenesis, inhibits V2a interneuron fate. [UniProt]

Highlight Related products:
[DLL4 antibodies](#); [DLL4 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG82357 Rat DLL4 ELISA Kit standard curve image

ARG82357 Rat DLL4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.