ARG83223
Rat DLL1 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83223 Rat DLL1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat DLL1 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	DLL1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.3% Inter-Assay CV: 5.5%
Alternate Names	DELTA1; H-Delta-1; Drosophila Delta homolog 1; Delta-like protein 1; DL1; Delta1; Delta

Application Instructions

Assay Time	~ 5 hours

Properties

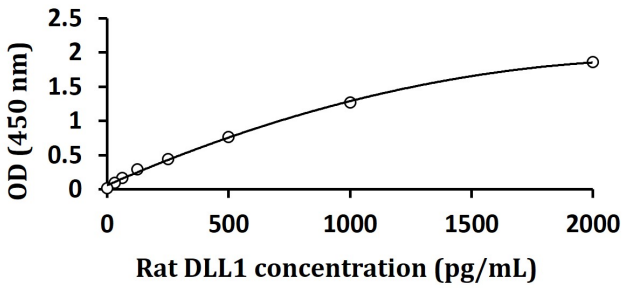
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DLL1
Gene Full Name	delta-like 1 (Drosophila)
Background	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. It may play a role in cell-to-cell communication. [provided by RefSeq, Jul 2008]
Function	Acts as a ligand for Notch receptors. 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. [UniProt]

Highlight	Related products: DLL1 antibodies; DLL1 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Ubiquitinated by MIB (MIB1 or MIB2), leading to its endocytosis and subsequent degradation (By similarity). Ubiquitinated; promotes recycling back to the plasma membrane and confers a strong affinity for NOTCH1. Multi-ubiquitination of LYS-613 by MIB1 promotes both cis and trans-interaction with NOTCH1, as well as activation of Notch signaling. Ubiquitinated by NEURL1B (By similarity). Phosphorylated in a membrane association-dependent manner. Phosphorylation at Ser-697 requires the presence of Ser-694, whereas phosphorylation at Ser-694 occurs independently of the other site. Phosphorylation is required for full ligand activity in vitro and affects surface presentation, ectodomain shedding, and endocytosis. O-fucosylated. Can be elongated to a disaccharide by MFNG. [UniProt]

Images



ARG83223 Rat DLL1 ELISA Kit standard curve image

ARG83223 Rat DLL1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.