

Datasheet for KOA0752**Human DLL1 ELISA Kit****Overview**

Description:	Human DLL1 AccuSignal ELISA Kit - KOA0752
Item No.:	KOA0752
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	78 pg/ml - 5000 pg/ml

Product Details

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.
Synonyms:	Delta-like protein 1, Delta1, DLL1, DLL1_HUMAN, Drosophila Delta homolog 1, H-Delta-1
Detection Kit Type:	ELISA Kit
Detection Range:	78 pg/ml - 5000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	DLL1
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: S22-G540
Purity/Specificity:	Natural and recombinant human DLL1. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - O00548](#)
- [NCBI - NP_005609.3](#)
- [GeneID - 28514](#)
- [KOA0752 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml, 78pg/ml human DLL1 standard solutions into the pre-coated 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 human cell culture supernates, serum, plasma(heparin, EDTA), urine or human milk to each empty well. We recommend that each human DLL1 standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant:	Heparin Sodium
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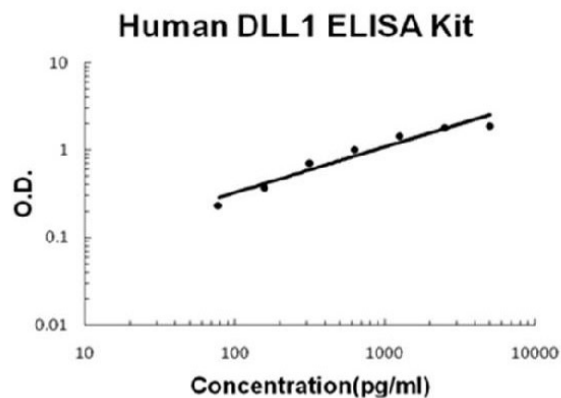
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images

ELISA

Human DLL1 ELISA Kit standard curve.

**Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.