

**Datasheet for KOA0838****Human LOXL2 ELISA Kit****Overview**

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|----------------------|--------------------------------------------|
| <b>Description:</b>  | Human LOXL2 AccuSignal ELISA Kit - KOA0838 |
| <b>Item No.:</b>     | KOA0838                                    |
| <b>Size:</b>         | 1 Kit                                      |
| <b>Applications:</b> | ELISA                                      |
| <b>Reactivity:</b>   | Human                                      |
| <b>Range:</b>        | 156 pg/ml - 10,000 pg/ml                   |

**Product Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Background:</b>         | Lysyl oxidase homolog 2 is an enzyme that in humans is encoded by the LOXL2 gene. This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family. LOXL2 can also crosslink collagen type IV and hence influence the sprouting of new blood vessels. |
| <b>Synonyms:</b>           | LOR 2, LOR2, LOX L2, LOXL 2, LOXL2, LOXL2_HUMAN, Lysyl oxidase homolog 2, Lysyl oxidase like 2, Lysyl oxidase like protein 2, Lysyl oxidase related 2, Lysyl oxidase related protein 2, Lysyl oxidase related protein WS9 14, Lysyl oxidase-like protein 2, Lysyl oxidase-related protein 2, Lysyl oxidase-related protein WS9-14, WS9 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Detection Kit Type:</b> | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Detection Range:</b>    | 156 pg/ml - 10,000 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sensitivity:</b>        | <10 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**Target Details**

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| <b>Gene Name:</b>  | LOXL2 |
| <b>Reactivity:</b> | Human |

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| <b>Immunogen:</b>          | Expression system for standard: NSO; Immunogen sequence: Q26-Q774                                                                                                                                                    |
| <b>Purity/Specificity:</b> | Natural and recombinant human LOXL2. There is no detectable cross-reactivity with other relevant proteins.                                                                                                           |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9Y4K0</a></li><li>• <a href="#">NCBI - NP_002309.1</a></li><li>• <a href="#">GenelD - 4017</a></li><li>• <a href="#">KOA0838 Protocol</a></li></ul> |

## Application Details

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| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Application Note:</b>    | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human LOXL2 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 human cell culture supernates, cell lysates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human LOXL2 standard solution and each sample be measured in duplicate. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ELISA:</b>               | 156pg/ml-10,000pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Other:</b>               | DOE:<br>2-8° C - 03/30/2021<br>-20° C - 09/28/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Formulation

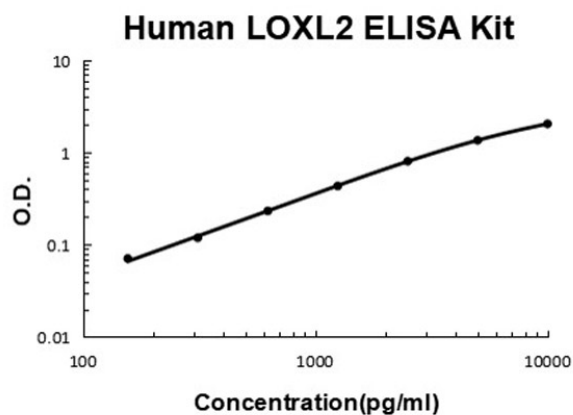
|                       |                |
|-----------------------|----------------|
| <b>Anticoagulant:</b> | Heparin Sodium |
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## Shipping & Handling

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| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | 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 LOXL2 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.