Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0597

# Human LYVE-1 ELISA Kit

## Overview

| | |
|---|---|
| **Description:** | Human LYVE-1 AccuSignal ELISA Kit - KOA0597 |
| **Item No.:** | KOA0597 |
| **Size:** | 1 Kit |
| **Applications:** | ELISA |
| **Reactivity:** | Human |
| **Range:** | 31.2 pg/ml - 2000 pg/ml |

## Product Details

| | |
|---|---|
| **Background:** | Extracellular link domain containing 1, also known as LYVE-1 or XLKD1 is a human gene. The International Radiation Hybrid Mapping Consortium mapped the LYVE1 gene to chromosome 11p15.4. This gene encodes a type I integral membrane glycoprotein. The encoded protein acts as a receptor and binds to both soluble and immobilized hyaluronan. This protein may function in lymphatic hyaluronan transport and have a role in tumor metastasis. This gene may play a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding(CRS). It may act as a hyaluronan(HA) transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent re-uptake and degradation in lymph nodes. |
| **Synonyms:** | cell surface retention sequence binding protein-1, Cell surface retention sequence-binding protein 1, CRSBP-1, CRSBP1, extracellular link domain containing 1, extracellular link domain-containing 1, Extracellular link domain-containing protein 1, HAR, Hyaluronic acid receptor, lymphatic vessel endothelial hyaluronan receptor 1, Lymphatic vessel endothelial hyaluronic acid receptor 1, LYVE-1, LYVE1, LYVE1_HUMAN, XLKD1 |
| **Detection Kit Type:** | ELISA Kit |
| **Detection Range:** | 31.2 pg/ml - 2000 pg/ml |
| **Sensitivity:** | <10 pg/ml |

## Target Details

| | |
|---|---|
| **Gene Name:** | LYVE1 |
| **Reactivity:** | Human |

| | |
|---|---|
| **Immunogen:** | Expression system for standard: NSO; Immunogen sequence: S24-T238 |
| **Purity/Specificity:** | Natural and recombinant human LYVE-1. There is no detectable cross-reactivity with other relevant proteins. |
| **Relevant Links:** | • UniProtKB - Q9Y5Y7<br>• NCBI - NP_006682.2<br>• GeneID - 10894<br>• KOA0597 Protocol |

## Application Details

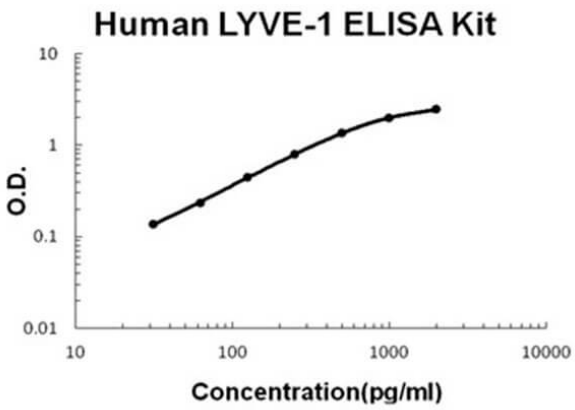
| | |
|---|---|
| **Tested Applications:** | ELISA |
| **Application Note:** | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human LYVE-1 standard solutions into the precoated 96-well 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 or tissue homogenates to each empty well. It is recommended that each human LYVE-1 standard solution and each sample be measured in duplicate. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |

## Formulation

## 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 LYVE-1 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.

## 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.