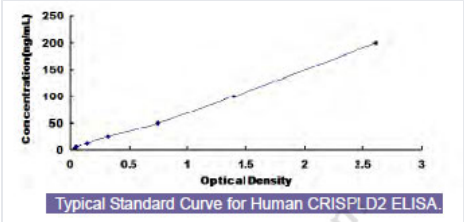
# Cysteine Rich Secretory Protein LCCL Domain Containing Protein 2 (CRISPLD2) ELISA Kit for Human

## PRODUCT OVERVIEW

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| **Product Name** | Cysteine Rich Secretory Protein LCCL Domain Containing Protein 2 (CRISPLD2), ELISA Kit |
| **Full Product Name** | Human Cysteine Rich Secretory Protein LCCL Domain Containing Protein 2 (CRISPLD2) ELISA Kit |
| **Product Gene Name** | CRISPLD2 elisa kit |
| **Species Reactivity** | Human |
| **Assay Type** | Quantitative Sandwich |
| **Samples** | Human serum, plasma, tissue homogenates and other biological fluids |
| **Detection Range** | 3.12-200ng/mL |
| **Sensitivity** | <1.12ng/mL |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of CRISPLD2. No significant cross-reactivity or interference between CRISPLD2 and analogues was observed. |
| **Preparation and Storage** | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CRISPLD2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRISPLD2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10% |
| **Molecular Weight** | 13,497 Da |
| **OMIM** | AL136861 mRNA |
| **3D Structure** | ModBase 3D Structure for Q9H0B8 |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Related Product Information for CRISPLD2 elisa kit** | Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CRISPLD2 in human serum, plasma, tissue homogenates and other biological fluids.<br><br>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRISPLD2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRISPLD2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CRISPLD2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CRISPLD2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| **Other Notes** | Small volumes of CRISPLD2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for CRISPLD2 purchase** | MBS456326 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cysteine Rich Secretory Protein LCCL Domain Containing Protein 2 (CRISPLD2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CRISPLD2. The ELISA analytical biochemical technique of the MBS456326 kit is based on CRISPLD2 antibody-CRISPLD2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRISPLD2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRISPLD2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |




**Typical Testing Data/Standard Curve (for reference only) of CRISPLD2 elisa kit**

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRISPLD2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 13899332 |
| **NCBI GeneID** | 83716 |
| **NCBI Accession #** | NP_113664.1 |
| **UniProt Primary Accession #** | Q9H0B8 |
| **UniProt Secondary Accession #** | Q6P590; Q6UWH0; Q6UXC6; Q96IB1; Q96K61; D3DUM0 |
| **UniProt Related Accession #** | Q9H0B8 |
| **GenBank Nucleotide #** | NM_031476.3 |
| **NCBI Official Full Name** | cysteine-rich secretory protein LCCL domain-containing 2 |
| **NCBI Official Synonym Full Names** | cysteine rich secretory protein LCCL domain containing 2 |
| **NCBI Official Symbol** | CRISPLD2 |
| **NCBI Official Synonym Symbols** | LGL1; CRISP11; LCRISP2 |
| **UniProt Protein Name** | Cysteine-rich secretory protein LCCL domain-containing 2 |
| **UniProt Synonym Protein Names** | Cysteine-rich secretory protein 11; CRISP-11; LCCL domain-containing cysteine-rich secretory protein 2 |
| **Protein Family** | Cysteine-rich secretory protein LCCL domain-containing |
| **UniProt Gene Name** | CRISPLD2 |
| **UniProt Synonym Gene Names** | CRISP11; LCRISP2; CRISP-11 |
| **NCBI Protein Information** | cysteine-rich secretory protein LCCL domain-containing 2 |
| **UniProt Comments for CRISPLD2** | Promotes matrix assembly. |
| **Research Articles on CRISPLD2** | **1.** Our data suggest that CRISPLD2 may have a unique anti-HMGB1 effect via miRNA155 and play an important role in immune balance. |
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