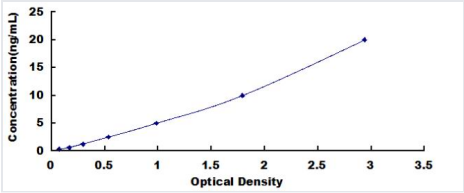
Cysteine Rich with EGF Like Domains Protein 1 (CRELD1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cysteine Rich With EGF Like Domains Protein 1 (CRELD1), ELISA Kit
Full Product Name	Human Cysteine Rich With EGF Like Domains Protein 1 (CRELD1) ELISA Kit
Product Gene Name	CRELD1 elisa kit
Product Synonym Names	AVSD2; CIRRIN; Atrioventricular Septal Defect 2
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	45,942 Da
OMIM	606217
3D Structure	ModBase 3D Structure for Q96HD1
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CRELD1 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRELD1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRELD1. 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 CRELD1, 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 CRELD1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CRELD1 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.
Searchable Terms for CRELD1 purchase	MBS458561 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cysteine Rich With EGF Like Domains Protein 1 (CRELD1) 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 CRELD1. The ELISA analytical biochemical technique of the MBS458561 kit is based on CRELD1 antibody-CRELD1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CRELD1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CRELD1. 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 CRELD1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRELD1. It may not necessarily be applicable to this product.

NCBI GI #	72534728
NCBI GeneID	78987
NCBI Accession #	NP_001026887.1
UniProt Primary Accession #	Q96HD1
UniProt Secondary Accession #	Q6I9X5; Q8NFT4; Q9Y409; A8MX90; B2RAA9
UniProt Related Accession #	Q96HD1
GenBank Nucleotide #	NM_001031717.3
NCBI Official Full Name	cysteine-rich with EGF-like domain protein 1 isoform 1
NCBI Official Synonym Full Names	cysteine rich with EGF like domains 1
NCBI Official Symbol	CRELD1
NCBI Official Synonym Symbols	AVSD2; CIRRIN
UniProt Protein Name	Cysteine-rich with EGF-like domain protein 1
Protein Family	Cysteine-rich with EGF-like domain protein
UniProt Gene Name	CRELD1
UniProt Synonym Gene Names	CIRRIN
NCBI Protein Information	cysteine-rich with EGF-like domain protein 1
NCBI Summary for CRELD1	This gene encodes a member of a subfamily of epidermal growth factor-related proteins. The encoded protein is characterized by a cysteine-rich with epidermal growth factor-like domain. This protein may function as a cell adhesion molecule. Mutations in this gene are the cause of atrioventricular septal defect. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]
Research Articles on CRELD1	**1.** The CRELD1 gene is likely to have a major role in causation of AVSD phenotype in selected DS patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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