

Human CRELD1 ELISA Kit | CRELD1 elisa kit

Human CRELD1 ELISA Kit PicoKine

CATALOG # AAA126728	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

CRELD1; Human CRELD1 ELISA Kit PicoKine; CRELD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CRELD1
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	93.7 pg/ml - 6,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CRELD1 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES


Standard Curve (Sample)

Human CRELD1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CRELD1 elisa kit	Background: Cysteine-rich with EGF-like domain protein 1 is a protein that in humans is encoded by the CRELD1 gene.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. Principle of the Assay: The Picokine™ Human CRELD1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CRELD1 with a 96-well strip plate that is pre-coated with antibody specific for CRELD1. The detection antibody is a biotinylated antibody specific for CRELD1. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CRELD1 protein as standards. To measure Human CRELD1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CRELD1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CRELD1 in the sample.
Product Categories/Family for CRELD1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	72534728
NCBI GeneID	78987
NCBI Accession #	NP_001026887.1
NCBI GenBank Nucleotide #	NM_001031717.3
UniProt Accession #	Q96HD1; Q6I9X5; Q8NFT4; Q9Y409; A8MX90; B2RAA9
Molecular Weight	45,942 Da
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; CIRPIN
NCBI Protein Information	cysteine-rich with EGF-like domain protein 1
UniProt Protein Name	Cysteine-rich with EGF-like domain protein 1
UniProt Gene Name	CRELD1
UniProt Synonym Gene Names	CIRPIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.