

Human CHRDL2 ELISA Kit | CHRDL2 elisa kit

Human CHRDL2 ELISA Kit PicoKine

CATALOG # AAA126714	REACTIVITY Human	APPLICATIONS ELISA
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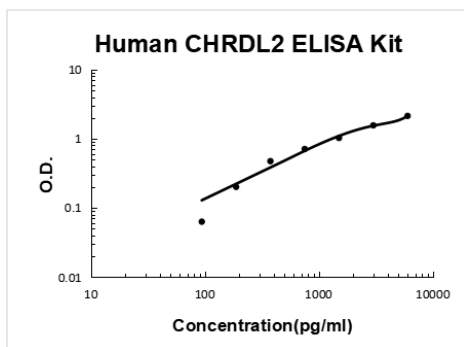
PRODUCT SYNONYMS

CHRDL2; Human CHRDL2 ELISA Kit PicoKine; CHRDL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CHRDL2
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 CHRDL2 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 CHRDL2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CHRDL2 elisa kit	Background: This gene encodes a member of the chordin family of proteins. Chordin family members are secreted proteins that share a cysteine-rich procollagen repeat domain and associate with members of the transforming growth factor beta superfamily. In vitro assays demonstrate a direct interaction between the encoded protein and human activin A. This gene is expressed in many tissues including osteoblasts, where it is differentially expressed during differentiation. In addition, its expression is upregulated in human osteoarthritic joint cartilage, suggesting a role in adult cartilage regeneration. Principle of the Assay: The Picokine™ Human CHRDL2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CHRDL2 with a 96-well strip plate that is pre-coated with antibody specific for CHRDL2. The detection antibody is a biotinylated antibody specific for CHRDL2. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CHRDL2 protein as standards. To measure Human CHRDL2, 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 CHRDL2 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 CHRDL2 in the sample.
Product Categories/Family for CHRDL2 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	510937050
NCBI GeneID	25884
NCBI Accession #	NP_001265402.1
NCBI GenBank Nucleotide #	NM_001278473.1
UniProt Accession #	Q6WN34; Q6WN30; Q6WN31; Q6WN32; Q7Z5J3; A5PKU9
Molecular Weight	47,495 Da
NCBI Official Full Name	chordin-like protein 2 isoform 2
NCBI Official Synonym Full Names	chordin-like 2
NCBI Official Symbol	CHRDL2
NCBI Official Synonym Symbols	BNF1; CHL2; FKSG37
NCBI Protein Information	chordin-like protein 2; BNF-1; chordin-related protein 2; breast tumor novel factor 1
UniProt Protein Name	Chordin-like protein 2
UniProt Gene Name	CHRDL2
UniProt Synonym Gene Names	BNF1; CHL2; UNQ765/PRO1557; BNF-1
UniProt Entry Name	CRDL2_HUMAN

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.