

Mouse Chordin ELISA Kit | CHRDL elisa kit

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CATALOG #
AAA263111

REACTIVITY
Mouse

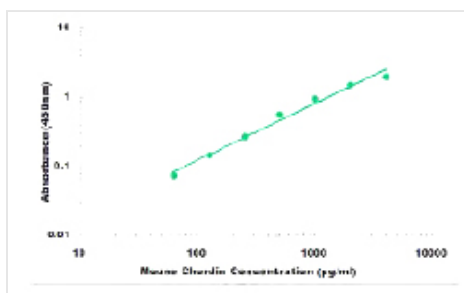
PRODUCT SYNONYMS

Chordin; Mouse Chordin ELISA Kit; CHRDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Chordin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Chordin proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	970
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHRDL elisa kit

Principle of the Assay: The Mouse Chordin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Chordin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse Chordin coated on a 96-well plate. Standards and samples are pipetted into the wells and Chordin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Chordin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Chordin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Chordin is a key developmental protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins (BMPs) and sequestering them in latent complexes. In mice, Chordin is expressed in the node but not in the anterior visceral endoderm. It has been found to be required for forebrain development. In developing mice that are deficient in both chordin and noggin, the head is nearly absent. This is significant because when only noggin is deficient there are mild defects but the head still forms. Chordin is also involved in avian gastrulation. It is expressed in the anterior cells of Koller's sickle, which form the anterior cells of the primitive streak, a key structure through which gastrulation occurs.

NCBI AND UNIPROT INFORMATION

NCBI GI #	487442580
NCBI GeneID	12667
NCBI Accession #	NP_001264970.1
NCBI GenBank Nucleotide #	NM_001278041.1
UniProt Accession #	Q9Z0E2
Molecular Weight	101,513 Da
NCBI Official Full Name	chordin isoform 2
NCBI Official Synonym Full Names	chordin
NCBI Official Symbol	Chrd
NCBI Official Synonym Symbols	Chd
NCBI Protein Information	chordin
UniProt Protein Name	Chordin
UniProt Gene Name	Chrd
UniProt Entry Name	CHRD_MOUSE

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.

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Online datasheet: <https://www.aaabiotech.com/chrd-mouse-elisa-kits/chordin/263111>