

Mouse Chordin PicoKine ELISA Kit | Chrd elisa kit

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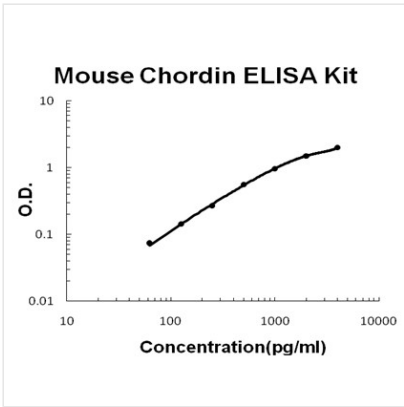
CATALOG # AAA46153	REACTIVITY Mouse
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PRODUCT SYNONYMS

Chordin PicoKine; Mouse Chordin PicoKine ELISA Kit; Chordin; Chrd; CHRDL_HUMAN; MGC133038; Shortgastrulation protein; SOG ; chordin; Chrd elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Chordin
Sequence Length	970
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of Mouse Chordin in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, T27-S948
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse Chordin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse Chordin standard solution and each sample is measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 98 319 1248 75 402 1866 Standard deviation 5.19 18.82 82.36 4.35 28.94 136.21 CV(%) 5.3 5.9 6.6 5.8 7.2 7.3
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.005 0.074 0.144 0.267 0.556 0.966 1.492 1.992
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse Chordin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Chrd elisa kit	Principle of the assay: Mouse Chordin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Chordin has been precoated onto 96-well plates. Standards (NSO, T27-S948) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Chordin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Chordin amount of sample captured in plate. 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.
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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

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://stage.aaabiotech.com/mouse-elisa-kits/chordin-picokine/46153>