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Datasheet for ABIN6720247

**Chordin ELISA Kit**

## Overview

Quantity:	1 kit
Target:	Chordin (CHRD)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

**Characteristics:** Synonyms: Chordin, Chrd, CHRD\_HUMAN, MGC133038, Shortgastrulation protein, SOG

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

## Product Details

sickle, which form the anterior cells of the primitive streak, a key structure through which gastrulation occurs.

Gene Name: CHRD

Production: Natural and recombinant mouse Chordin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: T27-S948

## Target Details

Target: Chordin (CHRD)

Alternative Name: Chordin ([CHRD Products](#))

Gene ID: 12667

NCBI Accession: [NP\\_001264970](#)

UniProt: [Q9Z0E2](#)

## Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only

prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.