

## ARG82345 Mouse Chordin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name                        | Package              | Temp  |
|--------------|---------------------------------------|----------------------|---|
| ARG82345-001 | Antibody-coated microplate            | 8 X 12 strips        | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82345-002 | Standard                              | 2 X 10 ng/vial       | 4°C   |
| ARG82345-003 | Standard/Sample diluent               | 30 ml (Ready to use) | 4°C   |
| ARG82345-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl)      | 4°C   |
| ARG82345-005 | Antibody diluent buffer               | 12 ml (Ready to use) | 4°C   |
| ARG82345-006 | HRP-Streptavidin concentrate (100X)   | 1 vial (100 µl)      | 4°C   |
| ARG82345-007 | HRP-Streptavidin diluent buffer       | 12 ml (Ready to use) | 4°C   |
| ARG82345-008 | 25X Wash buffer                       | 20 ml                | 4°C   |
| ARG82345-009 | TMB substrate                         | 10 ml (Ready to use) | 4°C (Protect from light)  |
| ARG82345-010 | STOP solution                         | 10 ml (Ready to use) | 4°C   |
| ARG82345-011 | Plate sealer                          | 4 strips             | Room temperature  |

### Summary

|                     |   |
|---------------------|---|
| Product Description | ARG82345 Mouse Chordin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Chordin in serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Tested Reactivity   | Ms  |
| Tested Application  | ELISA   |
| Target Name         | Chordin   |
| Conjugation         | HRP   |
| Conjugation Note    | Substrate: TMB and read at 450 nm.  |
| Sensitivity         | 31.25 pg/ml   |
| Sample Type         | Serum, plasma (EDTA, heparin) and cell culture supernatants.  |
| Standard Range      | 62.5 - 4000 pg/ml   |
| Sample Volume       | 100 µl  |
| Precision           | Intra-Assay CV: 6.6%<br>Inter-Assay CV: 7.4%  |

Alternate Names Chordin

## Application Instructions

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Assay Time ~ 5 hours

## Properties

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Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol CHRD

Gene Full Name chordin

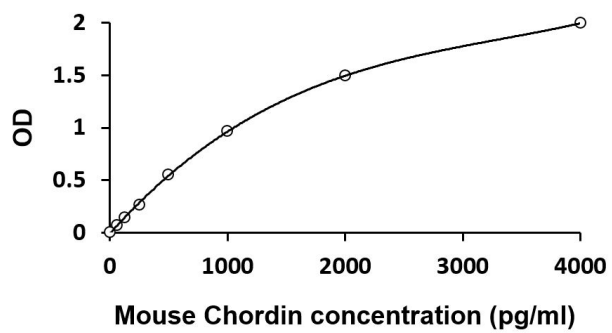
Background This gene encodes a secreted protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins and sequestering them in latent complexes. The encoded protein may also have roles in organogenesis and during adulthood. It has been suggested that this gene could be a candidate gene for Cornelia de Lange syndrome. Reduced expression of this gene results in enhanced bone regeneration. Alternative splicing results in multiple transcript variants. Other alternative splice variants have been described but their full length sequence has not been determined. [provided by RefSeq, Jan 2015]

Function Dorsalizing factor. Key developmental protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta family bone morphogenetic proteins (BMPs) and sequestering them in latent complexes (By similarity). [UniProt]

Highlight Related products:  
[Chordin antibodies](#); [Chordin ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

PTM Cleaved by tolloid proteases; cleavage participates in dorsoventral patterning during early development. [UniProt]

Cellular Localization Secreted. [UniProt]



ARG82345 Mouse Chordin ELISA Kit standard curve image

ARG82345 Mouse Chordin ELISA Kit results of a typical standard run with optical density reading at 450 nm.