

Human Chordin (CHRD) ELISA Kit

Catalog No: #EK11300



Package Size: #EK11300-1 48T #EK11300-2 96T

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Description

Product Name	Human Chordin (CHRD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC133038;
Accession No.	Q9H2X0
Uniprot	Q9H2X0
GeneID	8646;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.119 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CHRD in samples. An antibody specific for CHRD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCHRD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CHRD is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CHRD bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Chordin is a polypeptide that dorsalizes the developing embryo by binding ventralizing TGFβ proteins such as bone morphogenetic proteins. It may also play a role in organogenesis. There are five named isoforms of this protein that are produced by alternative splicing.In humans, the chordin peptide is encoded by the CHRD gene.

948-amino acid protein containing 4 internal cysteine-rich repeats and 4 potential N-glycosylation sites. Northern blot analysis detected high levels of a 3.7-kb Chrd transcript in 7-day postcoitum mouse embryos; its level decreased at later developmental stages and in adult tissues. Dot blot analysis of mRNA expression in human adult and fetal tissues showed that CHRD is expressed at the highest level in liver.

Note: This product is for in vitro research use only