

Bovine Anti-Mullerian hormone (AMH) ELISA Kit

Catalog No: #EK12006



Package Size: #EK12006-1 48T #EK12006-2 96T

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Description

Product Name	Bovine Anti-Mullerian hormone (AMH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	MIF; MIS; Mullerian inhibiting factor Mullerian inhibiting substance
Accession No.	P03972
Uniprot	P03972
GeneID	280718;
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:493.83-40000 pg/mL

Sensitivity:177.4 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 AMH in samples. An antibody specific for AMH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAMH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AMH 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 AMH bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Anti-Mllerian hormone (AMH) is a dimeric glycoprotein that inhibits the development of the Mllerian ducts in a male embryo. It is named after Johannes Peter Mller. AMH is a protein hormone structurally related to inhibin and activin, and a member of the transforming growth factor- β (TGF- β) family. It is present in fish, reptiles, birds, marsupials, and placental mammals.In mammals AMH is secreted by Sertoli cells of the testes during embryogenesis of the fetal male and prevents the development of the mullerian ducts into the uterus and other mullerian structures. The effect is ipsilateral, that is each testis suppresses Mllerian development only on its own side. In humans this action takes place by 8 weeks gestation. In female embryogenesis the absence of AMH allows for the development of upper vagina, uterus and cervix, and oviducts.

Note: This product is for in vitro research use only