

Bovine Thymosin beta-10 (TMSB10) ELISA Kit

Catalog No: #EK6313



Package Size: #EK6313-1 48T #EK6313-2 96T

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Description

Product Name	Bovine Thymosin beta-10 (TMSB10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	MIG12; TB10; migration-inducing gene 12 migration-inducing protein 12 thymosin; beta 10
Accession No.	P21752
Uniprot	P21752
GeneID	282385;
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:Request Information

Sensitivity:Request Information

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 TMSB10 in samples. An antibody specific for TMSB10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMSB10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMSB10 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 TMSB10 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Thymosin-beta-10 is closely related in sequence to TMSB4 and is also an actin-sequestering protein. In most tissues of the rat, the same molecular weight species of TMSB10 mRNA is found; This finding, together with primer extension experiments, suggested that the 2 mRNAs are transcribed from the same gene through a combination of differential promoter utilization and alternative splicing. Both mRNAs were present in pachytene spermatocytes; only the testis-specific mRNA was detected in postmeiotic haploid spermatids. Immunohistochemical analysis showed that the protein was present in differentiating spermatids, suggesting that the testis-specific TMSB10 mRNA is translated in haploid male germ cells. thymosin-beta-10 protein synthesized in adult testis was identical in size to that synthesized in brain.

Note: This product is for in vitro research use only