

Bovine Signal recognition particle 19 kDa protein (SRP19) ELISA Kit

Catalog No: #EK6653

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Package Size: #EK6653-1 48T #EK6653-2 96T

Description

Product Name	Bovine Signal recognition particle 19 kDa protein (SRP19) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Accession No.	Q3ZBG7
Uniprot	Q3ZBG7
GeneID	514960;
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:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate SRP19 in samples. An antibody specific for SRP19 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySRP19 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRP19 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 SRP19 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The signal recognition particle (SRP) is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum (ER). SRP has at least 3 distinct functions that can be associated with the protein subunits: signal recognition, translational arrest, and ER membrane targeting by interaction with the docking protein. Sequence analysis showed that SRP19 contains a very basic C-terminal domain of 7 lysine residues interrupted by 2 glycine residues. Northern blot analysis revealed expression of a 0.9 kb transcript in HeLa cells. SDS-PAGE analysis showed that SRP19 is expressed as a 19-kD protein, identical in size to canine SRP19. Functional analysis determined that the SRP19 protein binds to 7SL RNA in canine pancreas.

Note: This product is for in vitro research use only