Bovine Shadow of prion protein (SPRN) ELISA Kit

Catalog No: #EK6612

Package Size: #EK6612-1 48T #EK6612-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Bovine Shadow of prion protein (SPRN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	FLJ41197; SHADOO; SHO; bA108K14.1; shadow of prion protein
Accession No.	A0RZB4
Uniprot	A0RZB4
GeneID	616266;
Storage	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. 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).

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 SPRN in samples. An antibody specific for SPRN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPRN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPRN 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 SPRN bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:SPRN expression in human, rat, and mouse brain. The deduced human protein contains 151 amino acids. The mammalian proteins share 81 to 95% sequence identity. Alignment of all fish and mammalian Sho proteins showed that all have an N-terminal peptide sequence with an endoplasmic reticulum targeting signal for extracellular transport, a basic RG-rich region, a hydrophobic stretch in the middle of the protein that contains the same unusual composition of small aliphatic residues (GAV) as PrP and PrP-like proteins, and a C-terminal region with a putative N-glycosylation site and a possible GPI anchor site (Premzl et al., 2003, 2004). Database searches revealed that SPRN is expressed in mouse and rat embryo, brain, and retina, in human hippocampus, and in zebrafish embryo and retina.

Note: This product is for in vitro research use only